

PHILIPS



Easy Taping



Card within 10 days. See why inside.
Return Your Warranty Registration
Important!

Owner's Manual





for Customer Us

ATTENTION: Pour éviter les choc électrique, introduire la lame la plus large de la fiche dans la borne correspondante dans le socle, puis appuyer sur la touche d'insertion.

CAUTION: To prevent electric shock, match wide blade of plug to wide slot, fully insert.

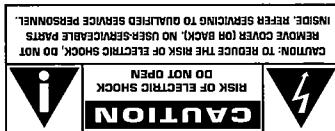
WARNING: TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS EQUIPMENT TO RAIN OR MOISTURE.

ATTENTION: Pour éviter les choc électrique, introduire la lame la plus large de la fiche dans la borne correspondante dans le socle, puis appuyer sur la touche d'insertion.

ATTENTION: To prevent damage to features which you should read the enclosed literature closely to chance problems.

ATTENTION: The "exclamation point" calls attention to features within your unit which may cause an electrical shock. For the safety of everyone in your household, please do not remove product covering.

ATTENTION: This "bolt of lightning" indicates uninsulated metal parts within your unit may cause an electrical shock. For the safety of everyone in your household, please do not touch.



safety symbols

Registering Your Warranty
Keeps You Informed Card Right Away Guaranty
teees you'll receive all the information
and special offers which you qualify
for as the owner of your model.

Registration Model

Once your PHILIPS purchase is registered, you're eligible to receive all the privileges of owning a PHILIPS product. So complete and return the Warranty Registration Card enclosed with your purchase at once. And take advantage of these important benefits.

Return Your Warranty Registration Card today to ensure you receive all the benefits you're entitled to.

RS. Remember, to get the most from your PHILIPS prod-
uct, you must return your Warrenty Registration
Card within 10 days. So please mail
it to us right now!

President and Chief Executive Officer

Geiss

Sincerely,

Dear PHILIPS Product owner: Thank you for your confidence in PHILIPS. You've selected one of the best-built, best-backed products available today. And we'll do everything in our power to keep you happy with your purchase for many years to come.

As a member of the PHILIPS "family", you're entitled to protection by one of the most comprehensive warranties and outstanding service networks in the industry.

What's more, your purchase guarantees you'll receive all the information and special offers for which you qualify, plus easy access to accessories from our convenient home shopping network.

And most importantly you can count on our uncompromising commitment to your total satisfaction.

All of this is our way of saying welcome-and thanks for investing in a PHILIPS product.

Congratulations on Your Purchase, and welcome to the "Family!"



SdITIHd

10 days confirms your right to maximum protection under the terms and conditions of your PHILIPS warranty.

Warranty Owner Confirmation Verification
choose at once. And take advantage of these important benefits.

Once your PHILIPS purchase is registered, you're eligible to receive all the privileges of owning a PHILIPS product. So complete and return the Warranty Registration Card enclosed with your purchase at once. And take advantage of these important benefits.

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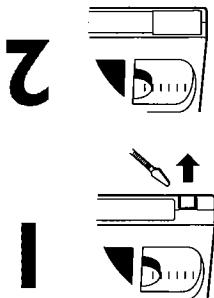
4 Table of Contents

Helpful Hints
• Do not mix old and new batteries.
• Do not mix alkaline and man-
ganese batteries.
• Do not mix old and man-

Before Using Your VCR 5

- Periodic maintenance is required to maintain your VCR's excellent performance. This VCR has an Automatic Head Cleaner. However, the video heads will require replacement eventually.
- Only an authorized service center should perform this service.
- Remove any light adhesive stick-on notes from the video cassette tape before putting the tape in the VCR. Removable labels can jam the VCR.
- Use only tapes with the **VHS** mark.
- Remove any tape before putting the tape in the VCR. Removeable labels sette tape before putting the tape in the VCR. Removable labels

VCR maintenance



To allow recording, cover the hole with cellophane tape.



To prevent recording, break off the tab with a screwdriver.

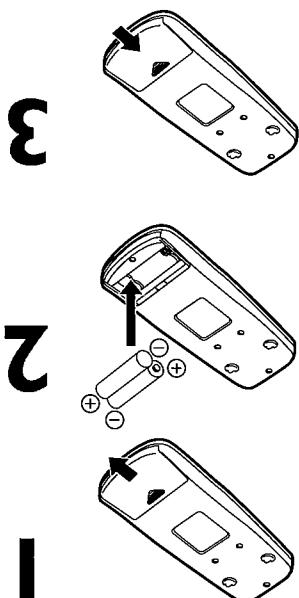


Video cassette tapes have record tabs to ensure that recordings are not accidentally erased.

Recording Prevention

- Point the remote control at the Cable Box or DBS when using the remote control to operate the TV.
- Point the remote control at the Cable Box or Direct Broadcast System (DBS), then press the CBL/DBS button when using the remote control to operate the Cable Box or DBS.
- Point the remote control at the TV, then press the TV button when using the remote control to operate the TV.
- Point the remote control at the VCR, then press the VCR button when using the remote control to operate the VCR.
- Point the remote control at the VCR, then press the VCR button when using the remote control to operate the TV.

Using the Remote Control



Replace the battery compartment lid.



Place two AA batteries inside the battery compartment with their + and - ends aligned as indicated.

Remove the battery compartment lid by sliding it in the direction of the arrow.

Putting Batteries in the Remote Control

Before using the VCR, lift a corner of the plastic cover, then peel it off.

A thin, plastic cover may protect the front panel of your VCR.

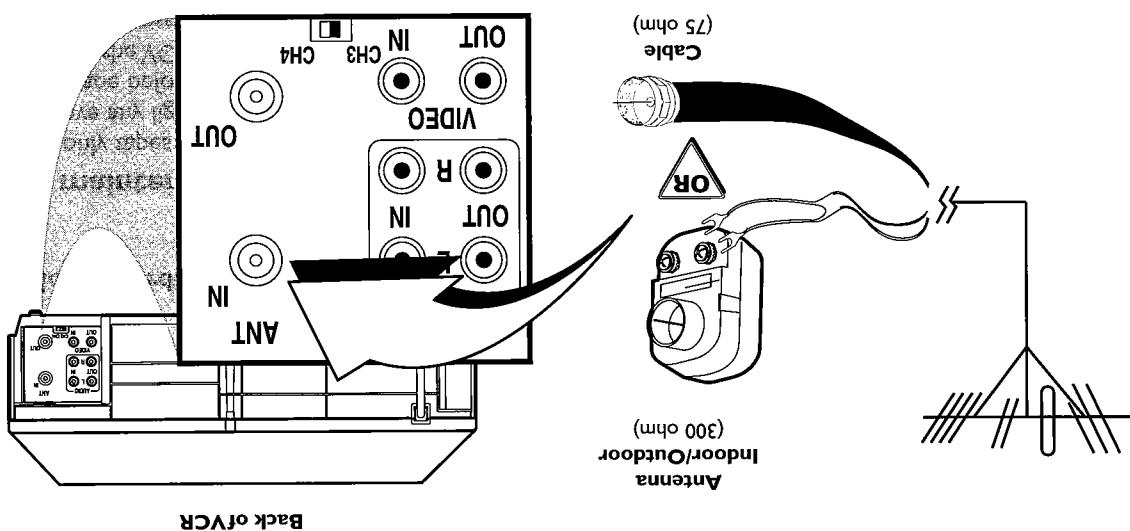
Removing the Plastic Cover from the Front Panel



Remove the battery compartment lid on the bottom of the remote control by sliding it in the direction of the arrow.

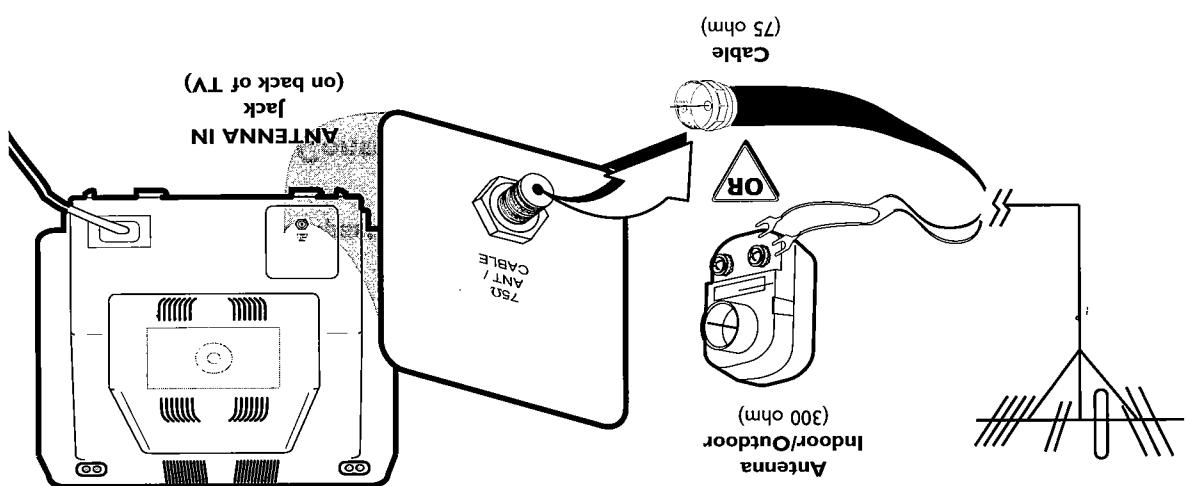


Put the plastic cover back on the front panel of the VCR.



Connect the antenna or cable to the ANT(enma) IN jack of your VCR.

2



Disconnect the antenna or cable from your TV.

1

The basic VCR/TV connection - antenna/cable to VCR to TV - is shown below. If you have a Cable Box or a Direct Broadcast System, please see pages eight-nine. If you have a Stereo TV, please see page 10. After you hook up the VCR, go to page 11 to turn on the VCR.

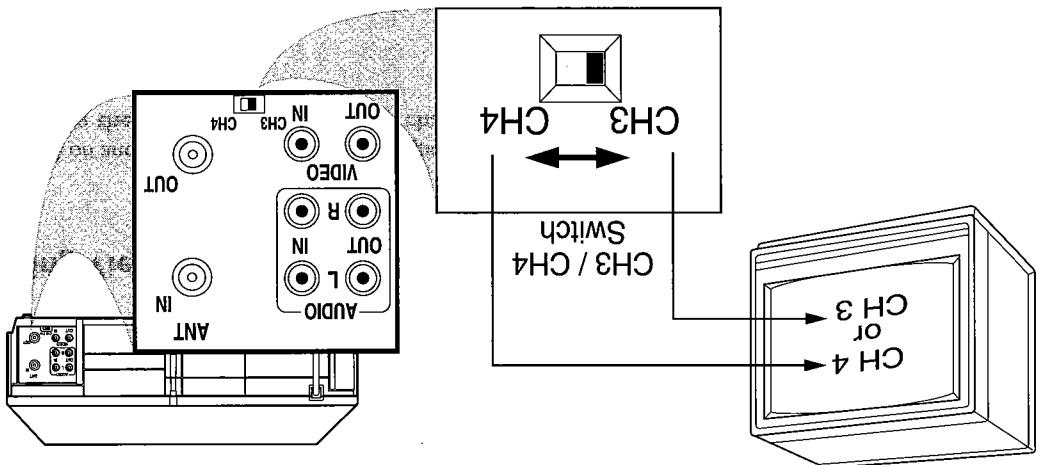
(The VRB661 is illustrated here. The VRB461 has single AUDIO IN/OUT jacks.)

6 Hookups without a Cable/Direct Broadcast System

VCR.

You are ready to turn on the VCR. Please go to page 11 before turning on the

6

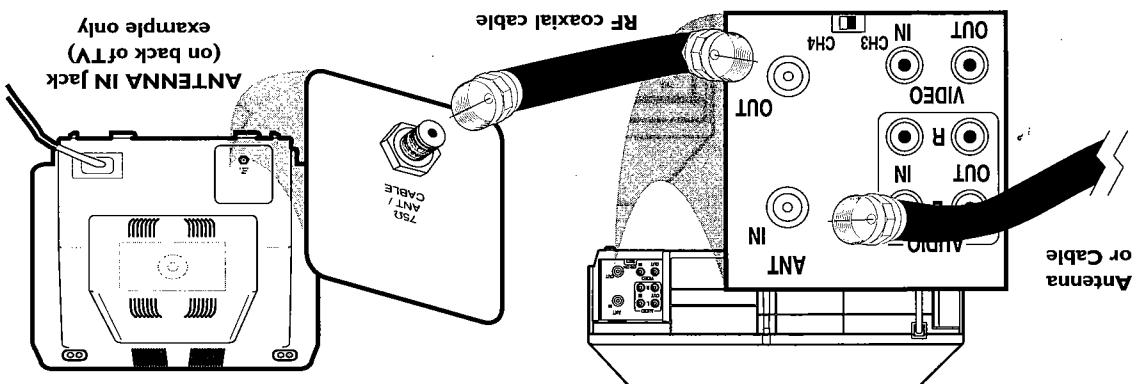


Set the CH3/CH4 switch on the back of the VCR to CH3 or CH4, whichever channel is not used or least used in your area. Set the TV to the same channel. For example, when playing a tape, if the CH3/CH4 switch is set to CH3, the TV should be on channel 03.

5

Plug in the TV and the VCR.

4



Connect the RF coaxial cable (supplied) to the OUT jack on the back of the VCR and to the ANTENNA IN jack on the TV. (You may use either a snap-on type (supplied) or screw-on type of coaxial cable, whichever you prefer.)

3

Hookups without a Cable Box/Direct Broadcast System (cont'd) 7

8 Hookups with a Cable Box/Direct Broadcast System

There are two ways to connect your Cable Box/DBS to the VCR. With this connection:

- You may view any channel.
- You must select channels at the Cable Box/DBS. Channels cannot be changed at the VCR.

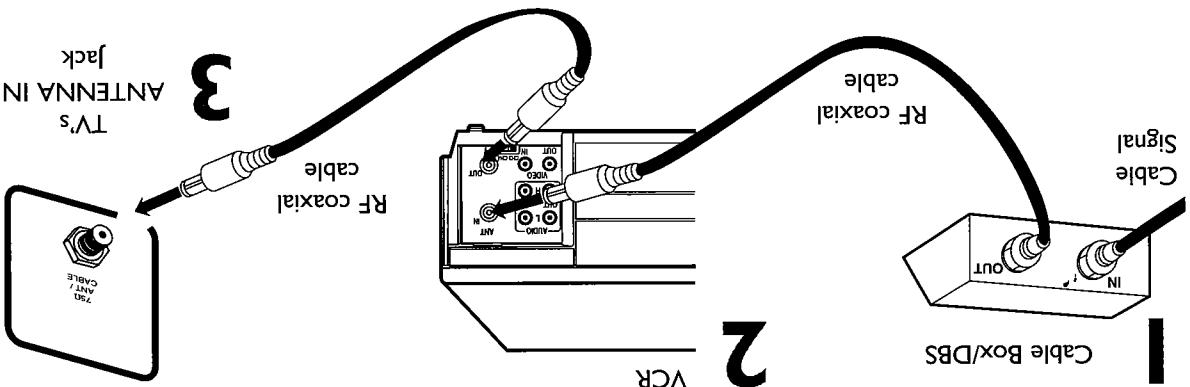
You may not program channels at the VCR.

- You may view any channel.
- You may not program channels at the VCR.

You can only program for one channel at a time. Set the TV and the VCR to the Cable Box/DBS output channel (channel 03 or 04). Set the CH3/CH4 switch to the same channel. Set your Cable Box/DBS to the output channel (channel 03 or 04). Set the CH3/CH4 switch to the same channel. Set your Cable Box/DBS to the channel you want to record. When you enter the channel you want to record in a timer recording, select channel 03 or 04 (the Cable Box/DBS output channel). This is step 5 on page 34). Leave the Cable Box/DBS on for a timer recording.

- If you use the VCR Plus+ Programming system, set the Cable/TV channel to 03 or 04 (Cable Box/DBS output channel) for every VCR Plus+ Cross Reference Map. You must set the Cable Box/DBS to the channel you want to record; leave the Cable Box/DBS on for the timer recording. Details are on page 39.

If you use the VCR Plus+ Programming system, set the Cable/TV channel to 03 or 04 (Cable Box/DBS output channel) you want to record; leave the Cable Box/DBS on for the timer recording. Details are on page 39.



Connections

Connect a Cable signal to the IN jack on the Cable Box/DBS.

Use a second RF coaxial cable to connect the OUT jack on the VCR to the TV's ANTENNA IN jack.

Use an RF coaxial cable (supplied) to connect the OUT jack on the Cable Box/DBS to the ANT (enna) IN jack on the VCR.

Recording/Viewing Any Channel

With the VCR on and in VCR position (the VCR light will appear on the display panel), set the VCR to the Cable Box/DBS output channel (03 or 04).

Set the TV to the same channel to which you set the VCR. Set the CH3/CH4 switch on the VCR to the same channel.

3

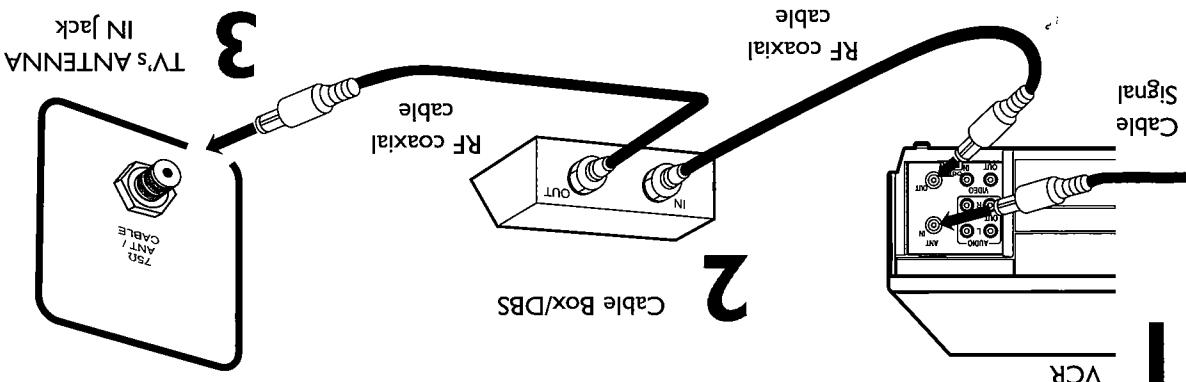
2

1

Select the channel you want to view/record at the Cable Box/DBS.

4**3****2****1****2****1**

Connections



- With this connection:
 - You may record scrambled channels.
 - You may watch one channel while recording another.

Hookups with a Cable Box/Direct Broadcast System (cont'd) **9**

- 1**
- 2**
- 3**
- 4**
- Helpful Hint**
- When you play a tape, make sure the Cable Box/DBS is set to the same channel as the TV to the same channel you want to watch at the Cable Box/DBS.
 - Put the Cable Box/DBS on the same channel as the VCR's CH3/CH4 switch. Set the TV to the same channel as the Cable Box/DBS output channel (03 or 04).
 - Press the VCR/TV button once to put the VCR in TV position. (The VCR light will disappear.)
 - To return to the channel you are recording, set the Cable Box/DBS to the same channel as the VCR's CH3/CH4 switch. Press the VCR/TV button so that the VCR is in VCR position again. The VCR light will appear on the display panel as the VCR's CH3/CH4 switch. Press the VCR/TV button to stop recording.

Turn on your TV, making sure it is in Line Input mode. Please refer to your TV owner's manual for details.

4

The connections on pages six - seven and select the channel to be viewed at the TV (with the VCR turned off).
(If your TV has Right and Left AUDIO IN jacks, you must use a "Y" splitter audio cable as illustrated to deliver audio to the TV's right and left channels.) This hookup will not give you stereo sound. To get stereo sound, use the other end of the audio cable to the AUDIO OUT jack on your TV.

Connect an audio cable to the white AUDIO OUT jack on the back of the VCR. Then, connect

VRB461

3

VCR. Then, connect the other end of the audio cable to the AUDIO IN jacks on your TV.

VRB661

3

Connect a stereo audio cable to the red and white AUDIO OUT jacks on the back of the VCR. Then, connect

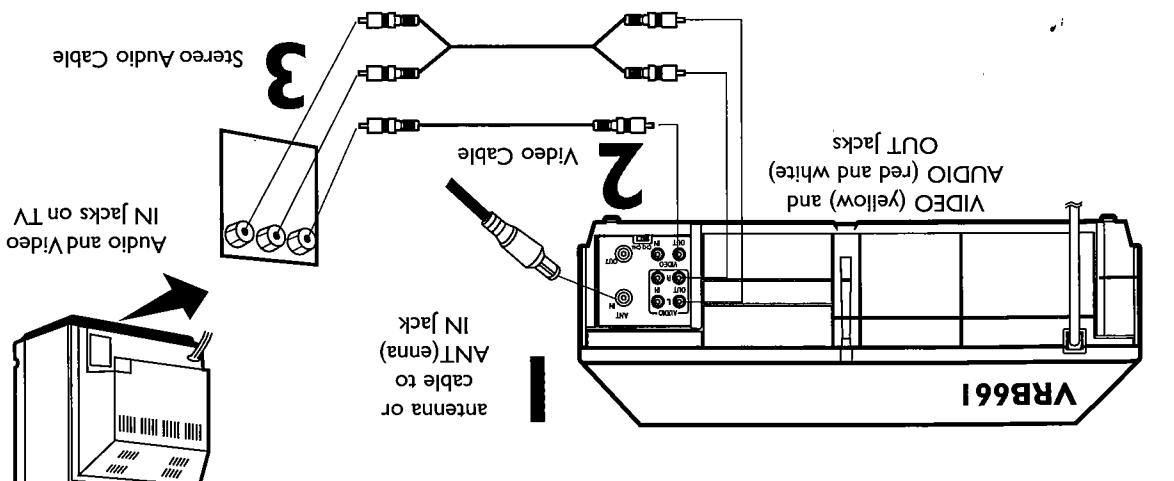
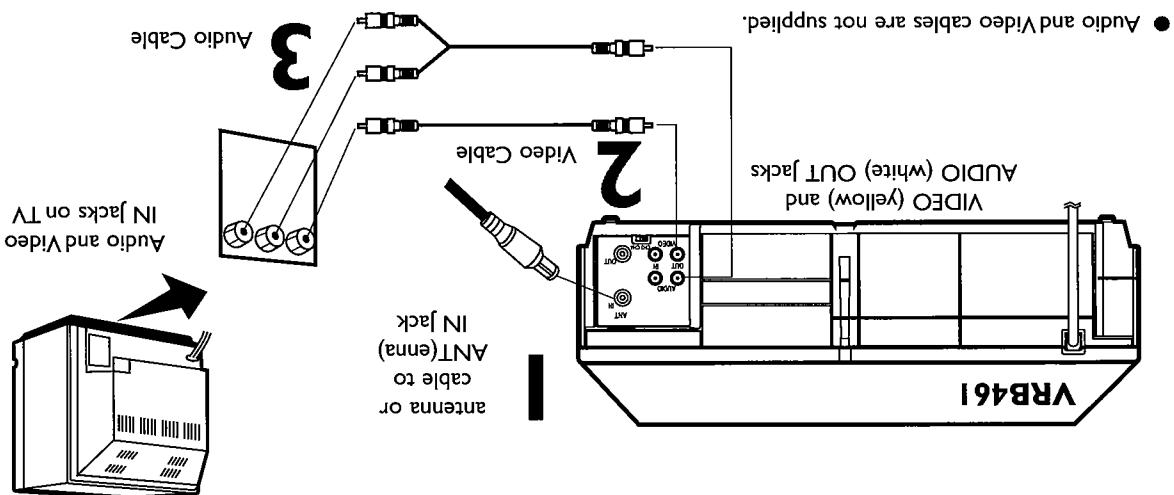
2

the other end of the video cable to the VIDEO IN jack on your TV.

2

Connect the antenna or cable to the ANT(enna) IN jack on the back of the VCR.

1



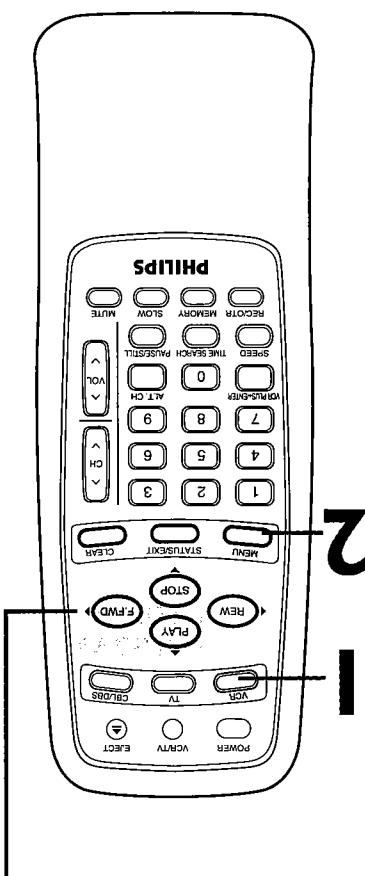
3-4

Although your VR may automatically memorize the channels you receive when you turn it on for the first time, this function lets you set up the channels again.

12 Automatic Channel Setup

- You can not enter the TUNER SET UP menu when you are in Line Input mode (channel 001 or 002). When you select channel 001 or 002, AV REAR or AV FRONT will appear on the screen briefly.
- You can not program channels if you are using a Cable Box or DBS.
- If you have an antenna, channels 69 will be available. If you have a cable connection, channels 1-125 will be available.

[Helpful Hints](#)



Press the PLAY/◀ button or the STOP/▶ button to select TUNER SET UP, then press the F-FWD/◀ button.

Press the PLAY/◀ button or the STOP/▶ button to select

ton. The VCR distinguishes between TV channels and cable chan- nels, and the VCR will memorize all the channels you receive.

Wait for a few minutes while the VCR sets up the channel. When this is complete, CHANNELS ARE SET will appear on the screen. Then the programming of the lowest channel number placed in the VCR's memory will appear on the screen. Now when you press the CH(annel) ▲ / ▼ button, you will scan only through

9

SELECT ▲ ▼ CHOOSE ◀ → AUTO PROGRAMMING
→ ADD/DELETE CH
CH MEMORY REVIEW
TV STEREO
2ND AUDIO
ON

1

The diagram shows a rectangular frame representing the VCR SETUP menu. Inside, from top to bottom, the text reads: TO END PUSH EXIT, SET CLOCK, TUNER SETUP, VR SETUP, PROGRAM, and SELECT ▲▼ CHOOSE ◀.

3

2
Press the VCR button
Press the MENU button

7

7

Press the STATUS/EXIT button.

6

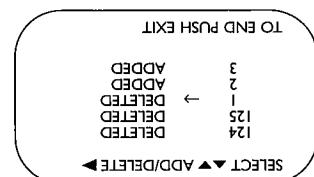
Press the F.FWD/◀ button to select ADDED or DELETE. Repeat steps 5 and 6 until you have added or deleted all the channels you wanted to add or delete.



5

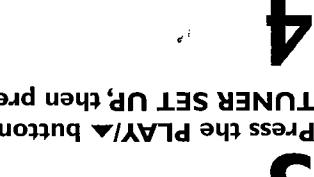
Press the PLAY/◀ button or the STOP/▶ button until the channel number you want to add or delete appears beside the arrow.

NOTE: If you have an antenna, channel numbers 2-69 will appear on the ADD/DELETE CH menu. If you have a cable connection, channels 1-125 will be available.



4

Press the PLAY/◀ button or the STOP/▶ button to select ADD/DELETE CH, then press the F.FWD/◀ button.



3

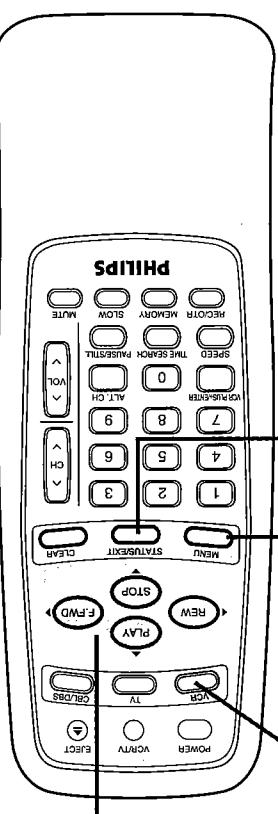
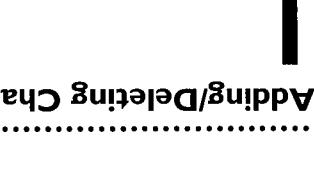
Press the TUNER SET UP, then press the F.FWD/◀ button.



2



1

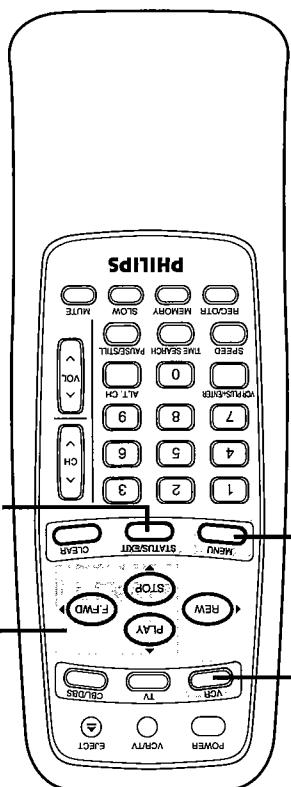


3-6

Automatic Channel Setup (cont'd) 13

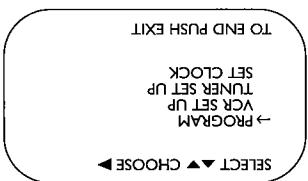
Add/Del/ing Channels

3-4



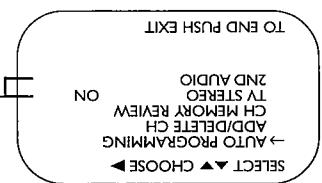
Press the **MENU** button.

2



Press the **VCR** button.

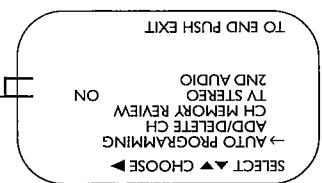
3



Press the **MENU** button.

4

VR661 only



Press the **F.FWD/◀** button.

TUNER SET UP, then press the **F.FWD/◀** button.

5

2

1

Press the **PLAY/◀** button or the **STOP/▲** button to select **CH MEMORY REVIEW**, then press the **F.FWD/◀** button.

- If all the programmed channels don't fit on the screen, press the **FFWD/◀** button to see the remaining channels. Then press the **REW(ind)/◀** button to return to the first screen. Within 10 seconds, you will either go to the next screen of channels or you will return to the previous menu.
- If you do not press any buttons within 10 seconds, you will either go to the next screen of channels or you will return to the previous menu.

5

Press the **STATUS/EXIT** button once or twice to exit.

3-4

Setting the Clock | 5

To display the time on the TV screen, press the STATUS/EXIT button. Details are on page 25. Power failures that last for more than one minute can cause you to lose your clock settings if you set the clock manually. If this happens, reset the clock manually.

Helpful Hints

Instructions continue on page 6.

TO END PUSH EXIT

DATE: / / - - - / - -

Press the PLAY/▲ button or the STOP/▼ button to select SET MANUAL CLOCK, then press the F-FWD/► button.

۷

Press the PLAY/◀ button or the STOP/▶ button to select SET CLOCK, then press the FWD/► button.

3

TO END PUSH EXIT
SET CLOCK
TUNER SET UP
VCR SET UP
PROGRAM ←
SELECT ▲▼ CHOOSE ◀

Press the MENU button.

Press the VCR button.

Manual Clock Setting

Do each step within 60 seconds of the previous step.

Play panel. If it does not, press the VCR/1V button once.

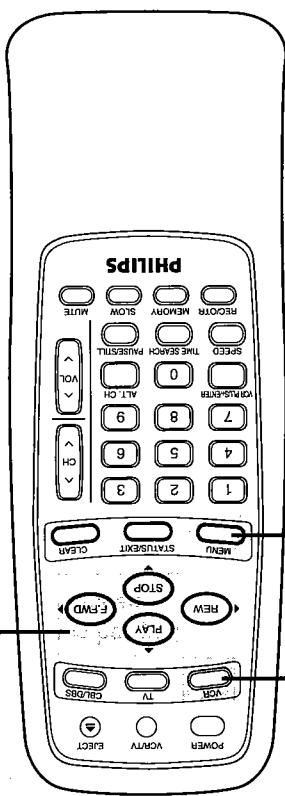
- The VCR is hooked up and turned on, and channels are programmed into the VCR's memory (see pages six-12).
- The VCR is in VCR position. The VCR light will appear on the display.

Follow the instructions under either manual clock setting or automatic click setting (page 17) to set the VCR's clock. Before you

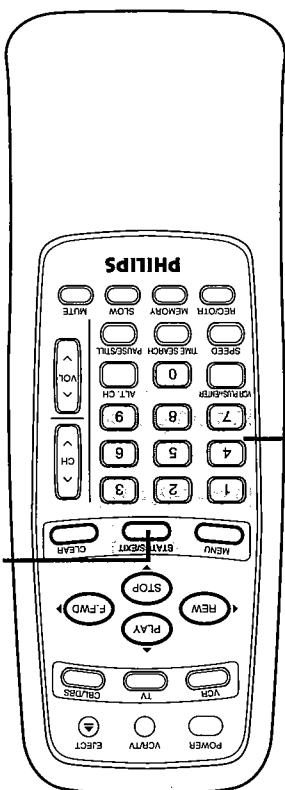
If you are using a Cable Box or Direct Broadcast System,
you must set the clock manually.

the VCR gets the current time from your local NBS station, i.e. keeps track of the time by constantly referring to the time broad-
cast by the time server.

There are two ways to set the clock. With manual clock setting, you tell the VCR the current time. With automatic clock setting, you tell the VCR the current time.



16 Setting the Clock (cont'd)



- Press two Number buttons for the hour(s) and two Number buttons for the minute(s). Then press 1 for AM or 2 for PM. For example, for 2:15 PM, press 02, 15, 2.
- Enter a 0 before a single-digit number.
- Will cause a question mark (?) to appear on the screen.
- To make corrections, press the CLEAR button until the space for the number you want to correct is flashing. Then enter the correct number.

Buttons for hours(s) and two Number buttons for minutes(s). Then press 1 for AM or 2 for PM. For example, for 2:15 PM, press 02, 15, 2.

TIME 02:15 PM
MONTH - / - / -

TO END PUSH EXIT
TO CORRECT PUSH CLEAR

9

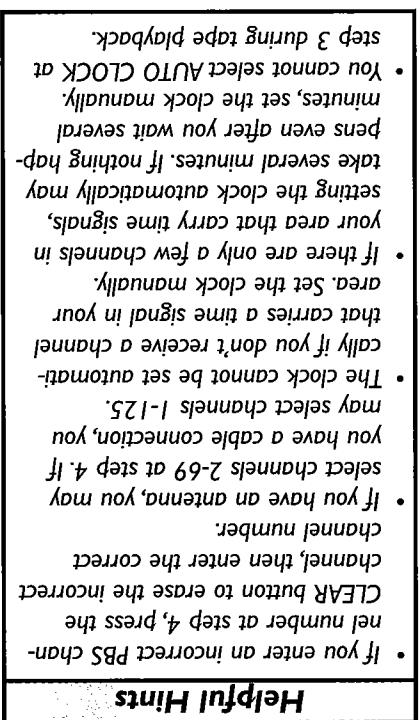
SAT
DATE 07/01/00
TIME 02:15 PM
TO END PUSH EXIT
TO CORRECT PUSH CLEAR

7

- Press two Number buttons for the month, two Number buttons for the day, and two Number buttons for the year.
- For example, for July 1, 2000, press 07, 01, 00. The day of the week will appear automatically.
- Screen will return to the program you were watching. The time will appear on the VCR display panel.

5-6

5



Helpful Hints

- If you want to locate a local PBS station from which to take the time, press the PBS CH. MANUAL button. Or, if ON appears to select ON. Then, press the SET CLOCK button. If OFF appears to the right of AUTO CLOCK, press the F.FWD/◀ button or the STOP/▲ button to select SET PBS CH. MANUAL. Press the CLEAR button to erase the incorrect channel number at step 4, press the channel number at step 4, then enter the correct channel number, then enter the incorrect channel number again.
- If you have an antenna, you may select channels 2-69 at step 4. If you have a cable connection, you may select channels 1-125.
- The clock cannot be set automatically if you don't receive a channel signal in your area. Set the clock manually.
- If there are only a few channels in your area that carry time signals, you may press the PBS CH. button to enter the channel number of another PBS station. Or, press the PLAY/◀ button or the STOP/▲ button to choose SELECT.
- You cannot select AUTO CLOCK at step 3 during tape playback.

- NOTE: CANNOT FIND PBS CLOCK DATA may flash on the screen. Press the STATUS/EXIT button.
- Press the FFWD/◀ button to select SET PBS CH. MANUAL. Press the STOP/▲ button to select PLAY/◀ button from which to tell the VCR the PBS station from which to take the time, press the PBS CH. MANUAL button or the SET PBS CH. MANUAL button to turn on the VCR again.
 - Press the FFWD/◀ button, then use the Number buttons to enter the channel number of the desired PBS station. Press the PLAY/◀ button or the STOP/▲ button to select SET PBS CH. MANUAL. Press the FFWD/◀ button to take the time, press the PBS CH. MANUAL button to turn on the VCR again.
 - Turn off the VCR power, and leave it off for several minutes. When the current time appears on the VCR display panel, the clock is set. You may turn on the VCR again.

4

- If you want to locate a local PBS station from which to take the time, press the PBS CH. MANUAL button or the SET PBS CH. MANUAL button to turn on the VCR. Turn off the VCR power, and leave it off for several minutes. When the current time appears on the VCR display panel, the clock is set. You may turn on the VCR again.
- Press the MENU button. Go to step 4.
- SET CLOCK
- AUTO CLOCK USES PBS CHANNEL USES SET PBS CH. AUTO
- SET PBS CH. MANUAL ←
- SET PBS CH. MANUAL ←
- TO END PUSH EXIT
- SELECT ▲ CHOOSE ▾

3

- Press the PLAY/◀ button or the STOP/▲ button to select SET CLOCK, then press the F.FWD/◀ button.
- SET CLOCK
- TO END PUSH EXIT
- SELECT ▲ CHOOSE ▾

2

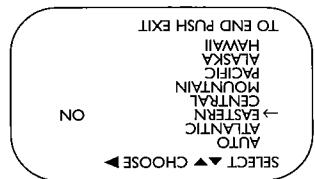
- Press the VCR button, then press the MENU button.
- SET CLOCK
- TO END PUSH EXIT
- SELECT ▲ CHOOSE ▾

Automatic Clock Setting

Setting the Clock (cont'd) 17

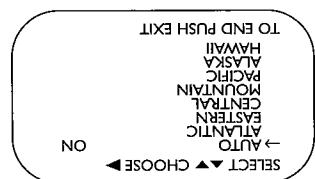
5

Press the STATUS/EXIT button.



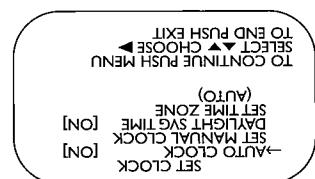
4

Press the PLAY/◀ button or the STOP/▶ button to select your time zone. ON will appear beside your choice.



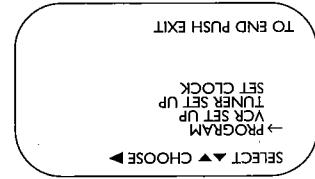
3

Press the PLAY/◀ button or the STOP/▶ button to select SET TIME ZONE, then press the FFWD/◀ button.



2

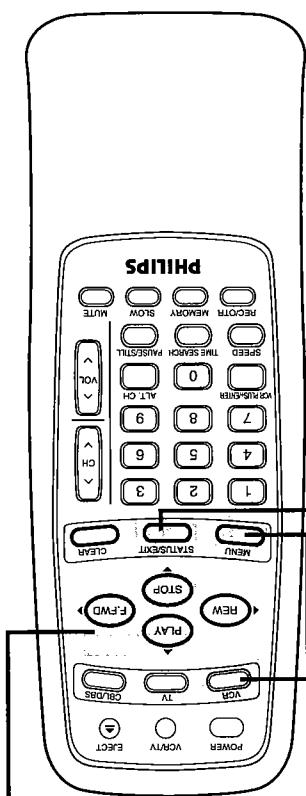
Press the PLAY/◀ button or the STOP/▶ button to select SET CLOCK, then press the FFWD/◀ button.



1

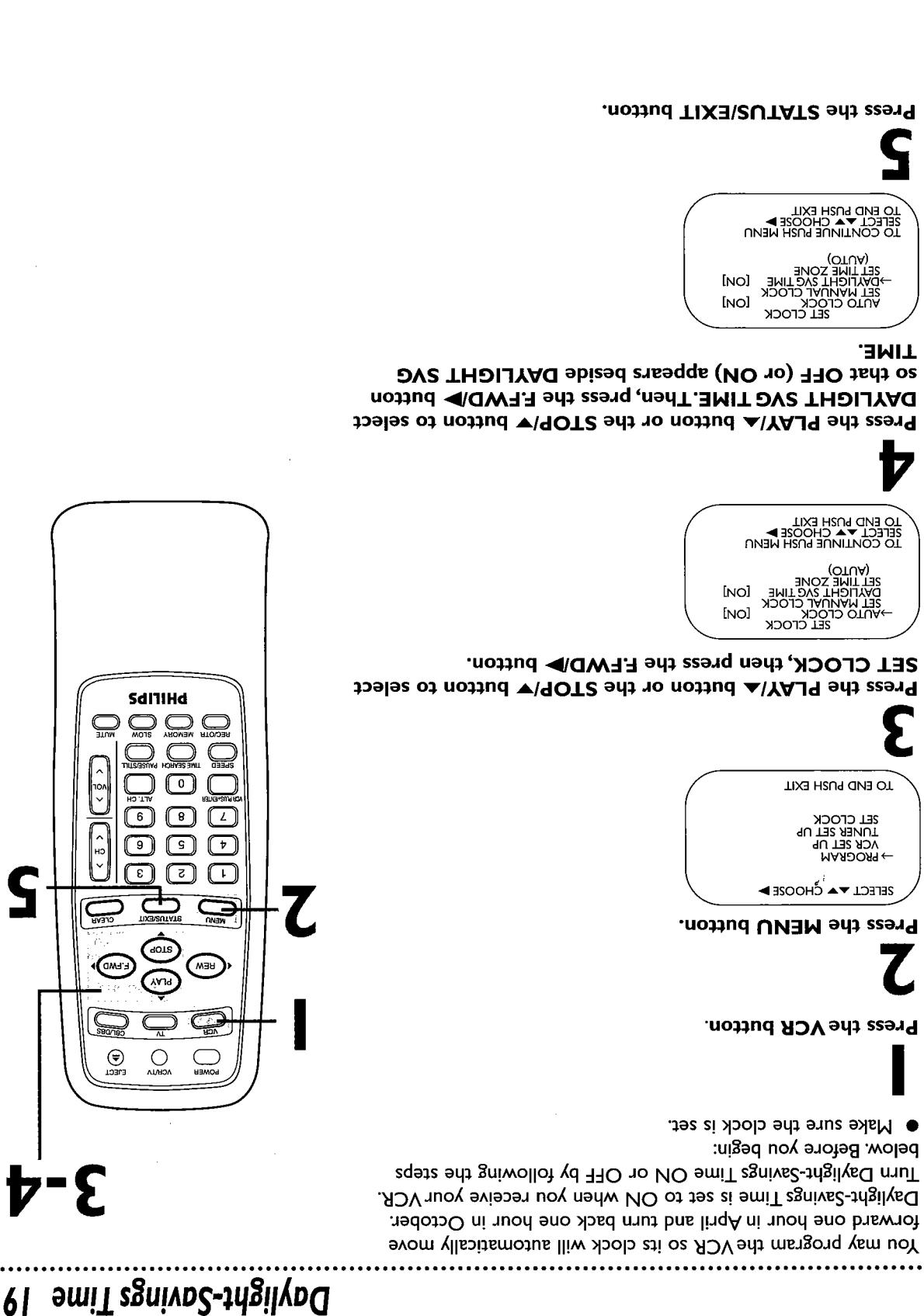
Press the VCR button, then press the MENU button.

2-4



When using the AUTO CLOCK function, you can specify your time zone. That way, the VCR will update the clock according to your time zone.

18 Setting the Clock (cont'd)



20 Language Selection

Follow the steps below to change the language of the On-screen displays and menus.

Displays and menus.

Press the VCR button.

[Press the MENU button.](#)

A diagram of a remote control with several numbered callouts pointing to specific buttons:

- Callout 1**: Points to the **TV** button.
- Callout 2**: Points to the **CLEAR** button.
- Callout 3**: Points to the **STORAGE** button.
- Callout 4**: Points to the **POWER** button.
- Callout 5**: Points to the **VOLUME** button.
- Callout 6**: Points to the **EFFECT** button.

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3

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9

Helpful Hint

- If you accidentally select Spanish

1. Press the VCR button.

2. Press the MENU button.

STOP/▲ button to select PREPARATION

EL VCR, then press the FFWD/◀

button or the

STOP/▲ button to select LENGTH

5. Press the PLAY button or the PAUSE button.

Press the STATUS/EXIT button.

Press the PLAY/▲ button or the STOP/▼ button to select English or Spanish on-screen displays and menus.

TO END PUSH EXIT
MAKE SELECTION C

ESPANOL
ENGLISH
SELECT ▲▼

NO

Press the PLAY/◀ button or the STOP/▶ button to select LANGUAGE, then press the F.FWD/◀ button.

A diagram of the VRB661 control panel. It features a central circular button with a play/pause symbol. Surrounding this are several rectangular buttons with labels: 'SELECT ▲▼ CHOOSE ▶' at the top, 'OFF' below it, 'ON SCREEN MODE' to the right, 'AUDIO OUT' above 'AUDIO SOURCE', and 'LANGUAGE' at the top right. A curved arrow points from the 'LANGUAGE' label towards the bottom left.

→ REPEAT PLAY ON SCREEN MODE AUDIO OUT LANGUAGE
← REPEAT PLAY ON SCREEN MODE AUDIO OUT LANGUAGE
→ REPEAT PLAY ON SCREEN MODE AUDIO OUT LANGUAGE
← REPEAT PLAY ON SCREEN MODE AUDIO OUT LANGUAGE

Press the PLAY/◀ button or the STOP/▶ button to select VCR SET UP, then press the F.FWD/◀ button.

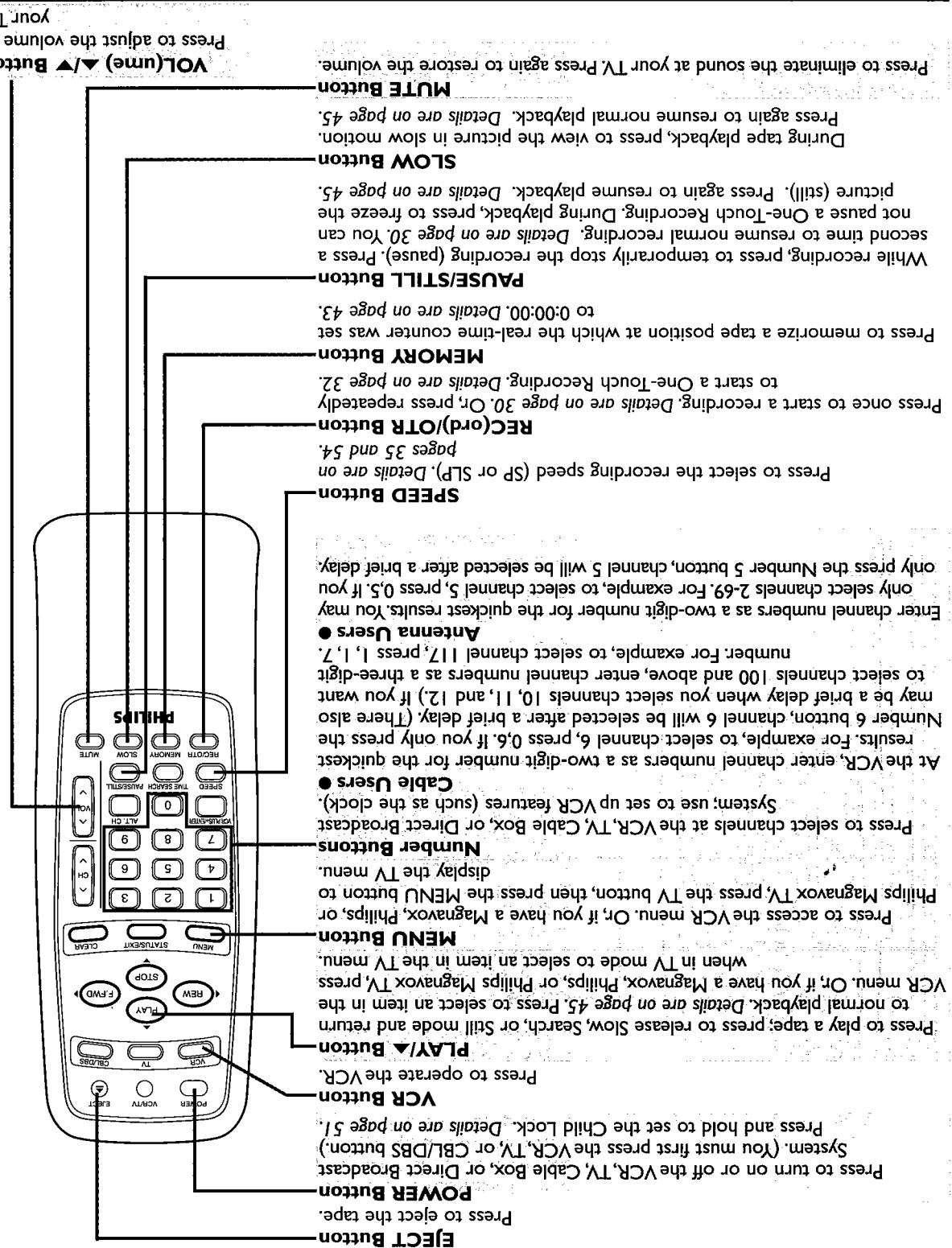
TO END PUSH EXIT
SET CLOCK
TUNER SET UP
VCR SET UP
→ PROGRAM
SELECT ▲▼ CHOOSE ◀

TO END PUSH EXIT
SET CLOCK
TUNER SET UP
VCR SET UP

◀ SELECT ▶ CHOOSE

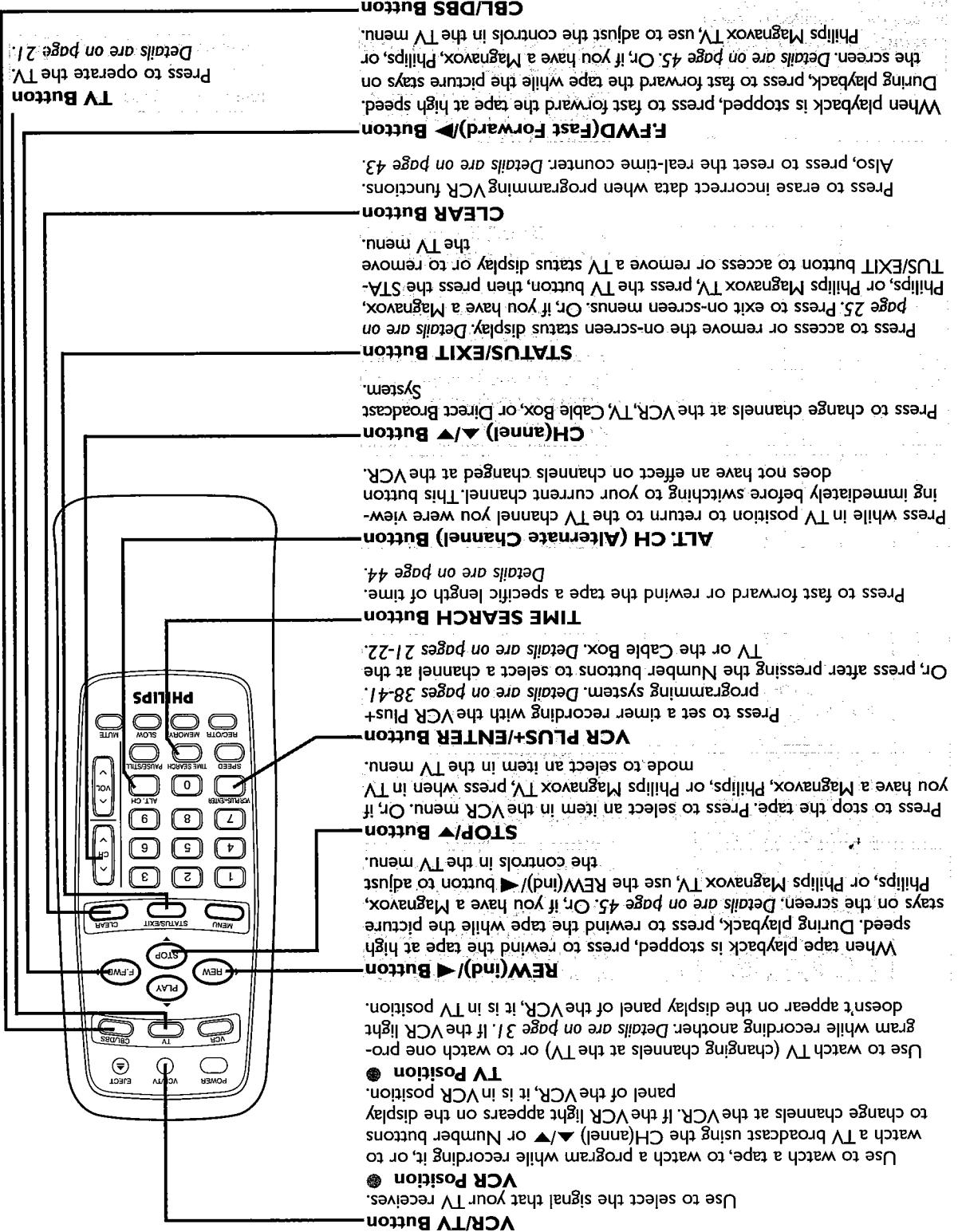
- Press the CBL/DBS button before pressing VCR feature buttons; press the TV button before pressing TV feature buttons;

Helpful Hint



- Buttons with a shaded description may also operate features of your TV, Cable Box, or Direct Broadcast System.

Helpful Hint



6

Press the STATUS/EXIT button.

5

- If you set STATUS to OFF, go to step 6. If you set STATUS to ON, press the PLAY/▲ button or the STOP/▼ button so that OFF (or ON) appears beside it.
- A status display may not be available when you are watching TV if you select COUNTER ONLY, then press the F.FWD/◀ button to ON, then press the PLAY/▲ button or the STOP/▼ button to OFF. Blue background is set to OFF.

TO END PUSH EXIT



4

- Press the PLAY/▲ button or the STOP/▼ button to select STATUS, then press the F.FWD/◀ button so that OFF (or ON) appears beside STATUS.
- Press the PLAY/▲ button or the STOP/▼ button to select ON SCREEN MODE, then press the F.FWD/◀ button.

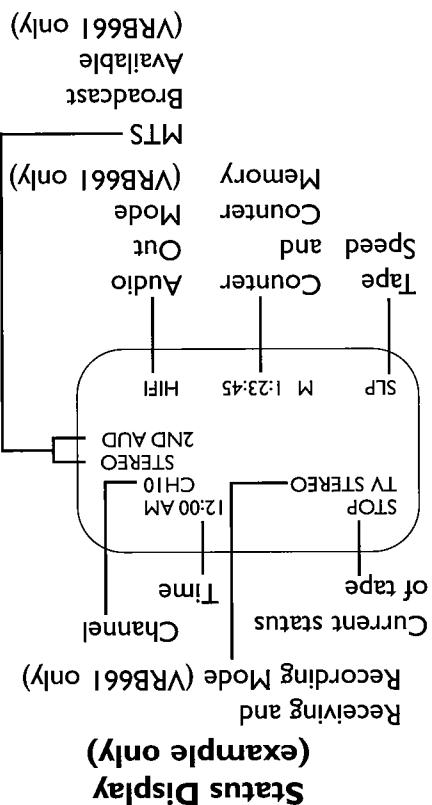
3

- Press the VCR button, then press the MENU button.
- Press the SET UP button or the STOP/▼ button to select VCR SET UP, then press the F.FWD/◀ button.

2

- Press the VCR button, then press the MENU button.
- Whenever you press the STOP/▼ button or the PLAY/▲ button, the status display will appear for five seconds. Portions of the status display also may appear when you press other function buttons.
- The status display will also appear when you press other function buttons. You must press the STATUS/EXIT button to remove it. Portions of the status display also appear when you press other function buttons.
- Whenever you press the STATUS/EXIT button or the PLAY/▲ button, the status display will appear for five seconds. After five seconds, the status display disappears. You must press the STATUS/EXIT button to see the status display again.

1



On-Screen Status Displays 25

This light appears when the VCR is in VCR position. This light does not appear when the VCR is in TV position.

VCR Light

This light appears when there is a tape in the VCR.

Cassette-Lnside Light

The current time appears here. PM will appear on the display, but AM will not. If the clock is set, --- will appear on the display. If the clock is not set, --- will appear on the display.

Clock Display

This light glows when the VCR is turned off to set a timer recording or during a One-touch Recording. It flashes if the power is off for a timer recording. It flashes if the VCR is off but there is no tape in the VCR. It flashes when all timer recordings are finished.

Timer Light

This light appears during a recording. It flashes when a recording is paused. It flashes when a recording is stopped. It flashes when a recording is finished.

REC(ord) Light

This light appears when the power is on.

PWR.(Power) Light

VIDEO

AUDIO R

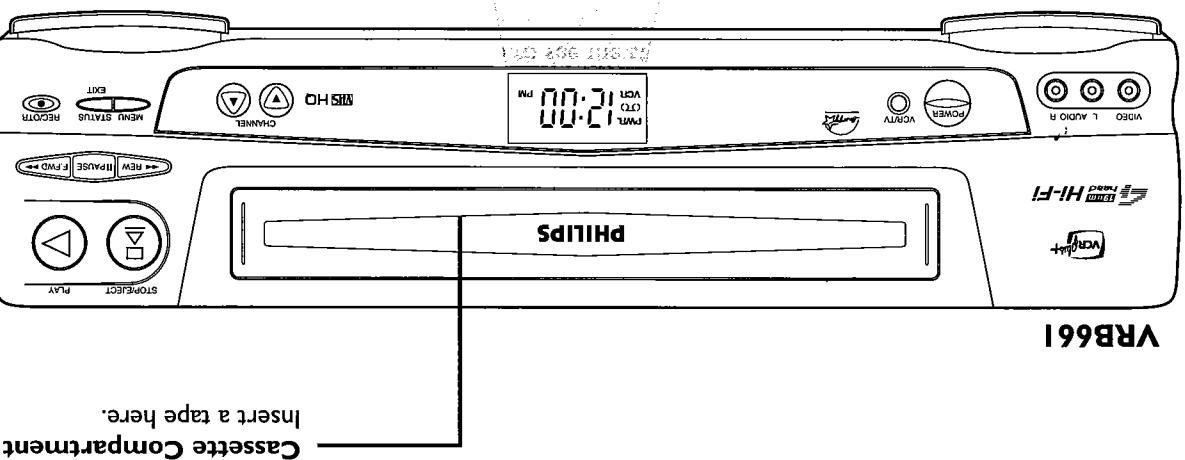
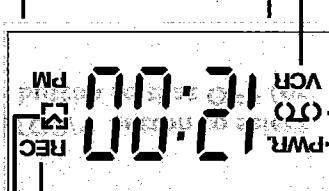
AUDIO L

POWER

VERTICAL

PHASE

HIFI

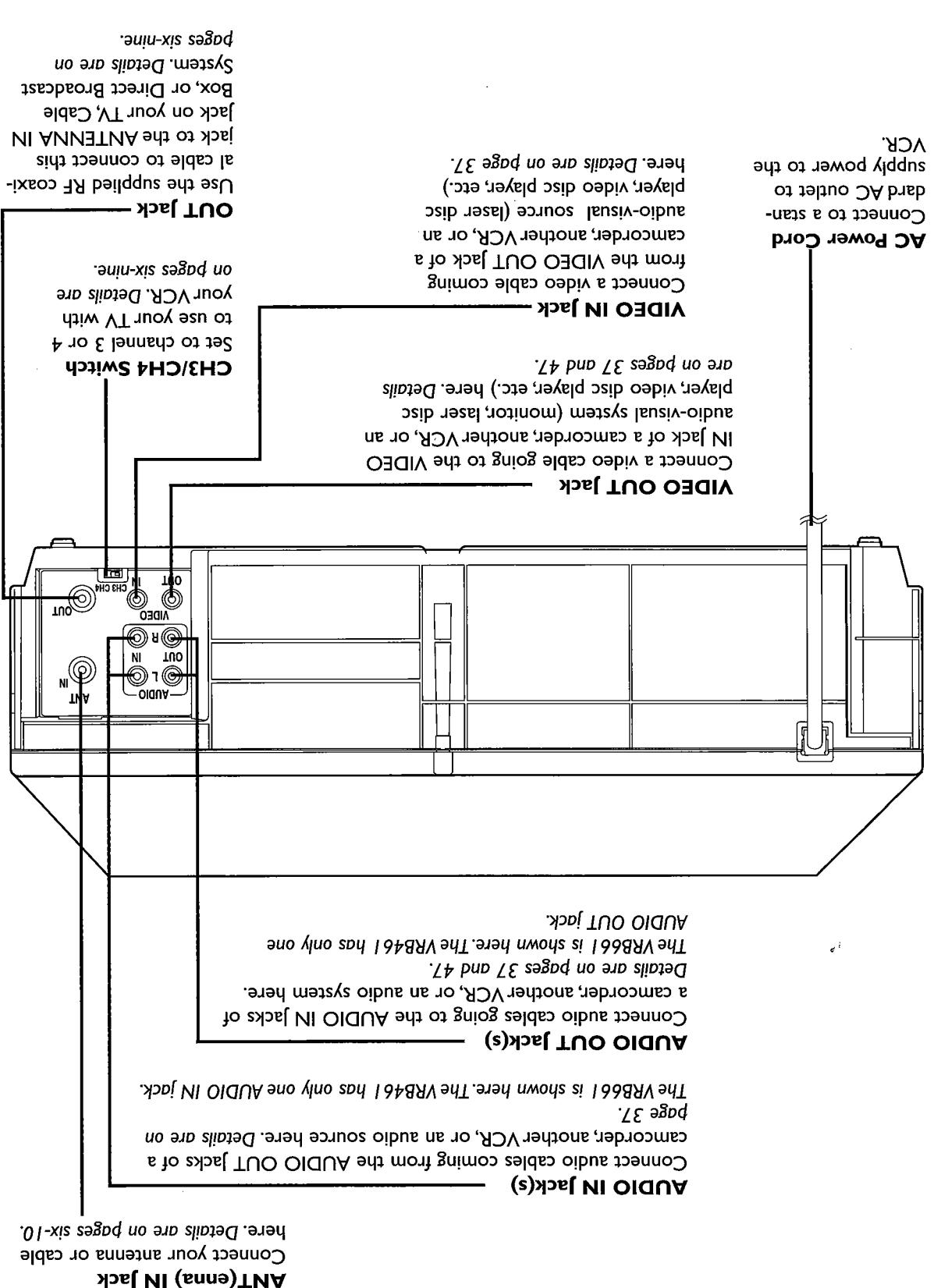


- When you press the STOP/EJECT button, the PLAY button, the REV(ind) button, or the FWD button on the VCR, they light up for five seconds.

Helpful Hint

The diagram illustrates the front panel of a Philips VCR with several callout boxes explaining the functions of different buttons:

- FWD (Fast Forward) Button**: Presses to fast forward the tape at high speed. During tape playback, press to fast forward the tape while the picture stays on the screen. Details are on page 45. Press to select an item in the VCR menu or to change the setting of a menu item.
- REV(ind) Button**: Receives a signal from your remote control so you can operate your VCR without pressing buttons on the VCR itself. When playback is stopped, press to release playback. Picture stays on the screen. Details are on page 45. Press to return to a previous VCR menu.
- POWER Button**: Presses to turn the VCR power on and off. Remote Sensor: Receives a signal from your remote control so you can operate your VCR from a distance.
- VIDEO In Jack**: Connects a video cable coming from another VCR, or an audio-visual source (laser disc player, etc.) here. Details are on page 37.
- VRB661**: Connects audio cables coming from the audio jacks of a camcorder, another VCR, or an audio source. Details are on page 37.
- AUDIO In jacks**: Connects audio cables coming from the audio jacks of a VCR. Details are on page 37.
- VCR/TV Button**: Presses to select VCR or TV position. While recording a tape, to watch a program while the VCR is in VCR position. While recording another, when the VCR light appears on the display panel, the VCR is in TV position.
- VCR Position**: Use to watch TV (changing channels at the same time). While recording a tape, to watch a program while the VCR is in VCR position.
- CHANNEL (▲/▼) Buttons**: Presses to change channels at the VCR. Or, presses to adjust the tracking of a tape during normal playback or slow motion playback. Also, presses to remove vertical jitter in a still picture.
- MENU Button**: Presses to access the VCR menu.
- STATUS/EXIT Button**: Presses to move the on-screen status display. Details are on page 25. Press to exit on-screen menus.
- PAUSE Button**: Presses to pause the recording. Press resume playback. Details are on page 45. You can now pause a One-Touch Recording. During tape playback, press to freeze the picture. Press again to resume playback. Details are on page 45.
- RECORD (or D) /OTR Button**: Presses once to start a recording. Press repeatedly to start a One-Touch Recording. Details are on page 32.
- REW(ind) Button**: When playback is stopped, press to rewind the tape at high speed. During tape playback, press to fast forward the tape while the picture stays on the screen. Details are on page 45. Press to fast forward the tape while the picture stays on the screen. Details are on page 45. Press to select an item in the VCR menu or to change the setting of a menu item.
- PLAY Button**: Presses to play a tape. Press to release Slow, Search, or Still mode and return to playback. Details are on page 45. Press to select an item in the VCR menu.
- STOP/EJECT Button**: Presses once to stop the tape. When play-back is stopped, press to release Slow. Picture stays on the screen. Details are on page 45. Press to select an item in the VCR menu.
- VIDEOPHONES**: Presses to turn the VCR power on and off. Remote Sensor: Receives a signal from your remote control so you can operate your VCR from a distance.



30 Recording

Read and follow the steps below to record a television program.

1 Insert a tape in the VCR.

Turn on the TV.

Turn on the TV and set it to channel 3 or 4, whichever channel the CH3/CH4 switch on the back of the VCR is set to.

2 Insert a tape with its record tab intact in the VCR.

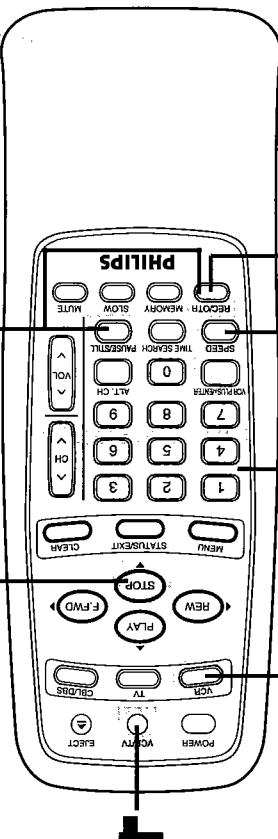
3 Press the VCR button.

If the VCR light appears on the display panel, go to step 5. If the VCR light does not appear, press the VCR/TV button once.

VCR light appears on the display panel, go to step 5. If the

Press the SPEED button until the desired tape speed appears briefly on the screen. (Details about tape speed are on page 35.)

Use the CH(channel) ▲/▼ button or the Number buttons to select the channel to be recorded.



4

5

6

7

8

Press the REC(ord)/OTR button once to start recording.

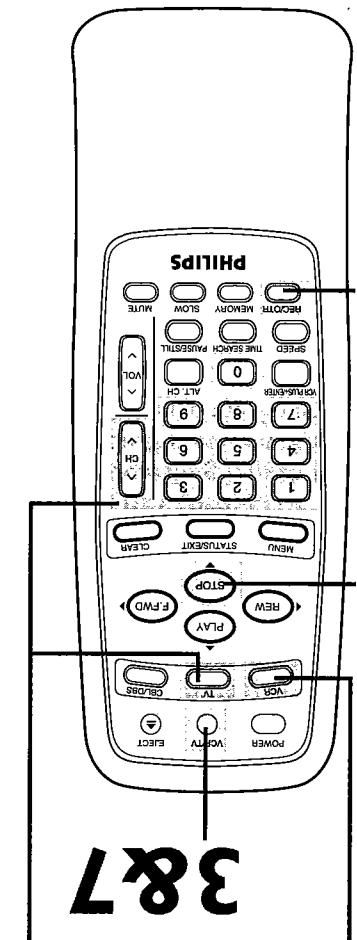
The REC(ord) light will appear once to resume recording, press the REC(ord)/OTR button or press the PAUSE/STILL button once. The REC(ord) light will come on again.

To pause the recording, press the PAUSE/STILL button. To stop recording, press the STOP/▲ button.

- If you press the REC(ord)/OTR button when there is not a tape in the VCR, NO CASSETTE will flash on the screen.
- If you press the REC(ord)/OTR button while a record tab is in the VCR, the VCR will eject the tape and PROTECTED CAS.
- If you press the REC(ord)/OTR button while a tape without a record tab is in the VCR, the VCR will flash SETTE CANNOT RECORD.
- You can change the tape speed during a recording, but some distortion will appear on the tape.
- Other recording options are on the screen.
- Pages 31-37.

Helpful Hints

9



Recording One Channel/Watching Another 31

Press the VCR button.

2

Press the REC(ord)/OTR button to start a recording of the current channel. (See page 30.)

3

Press the TV button, then press the CH(channel) ▲ or ▼ button to select the channel you want to watch at the TV. (If the VCR remote control doesn't operate your TV, use the TV back of the VCR is set to select the channel 03 or 04.)

4

Press the TV button, then use the Number buttons to select the channel you want to watch at the TV. (If the VCR remote control doesn't operate your TV, use the TV back of the VCR is set to select the channel 03 or 04.)

2

To return to the channel being recorded, press the TV button to select channel 03 or 04, then use the Number buttons to select the channel you want to watch back of the VCR is set to select the channel 03 or 04.)

8

Press the VCR/TV button to put the VCR in TV position. The VCR light will disappear from the VCR's display panel.

8

Press the STOP/▲ button to stop the recording.

7

Press the VCR/TV button to put the VCR in VCR position. The VCR light will appear on the screen. The channel being recorded will appear on the screen.

6

Press the VCR button. To return to the channel being recorded, press the TV button to select channel 03 or 04, then use the Number buttons to select the channel you want to watch back of the VCR is set to select the channel 03 or 04.)

5

Press the TV button, then use the Number buttons to select the channel you want to watch at the TV. (If the VCR remote control doesn't operate your TV, use the TV back of the VCR is set to select the channel 03 or 04.)

4

Press the VCR/TV button to put the VCR in TV position. The VCR light will disappear from the VCR's display panel.

3

Press the REC(ord)/OTR button to start a recording of the current channel. (See page 30.)

2

186 4-5

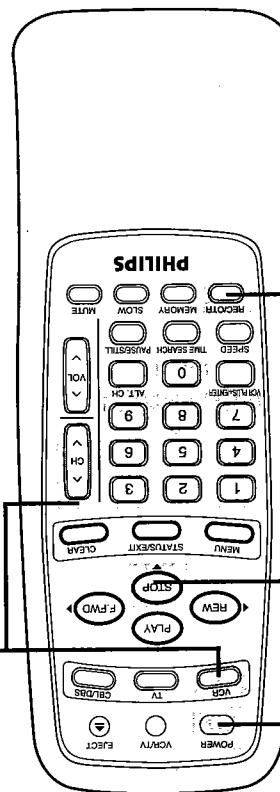
1

- If you use a Cable Box or Direct Broadcast System hookup, you may not be able to watch one channel while recording another. See pages eight-nine for details.
- If your VCR remote control does not operate your TV, see page 21 for details.
- If you use a Cable Box or Direct Broadcast System hookup, you may not be able to watch one channel while recording another. See pages eight-nine for details.

Helpful Hints

- Helpful Hints**
- To check the time remaining for an OTR before recording is finished, press the STATUS/EXIT button.
 - To cancel the OTR before recording is finished, press the STOP/▲ button or the POWER button.
 - If the present time for a timer recording is passed, the OTR will begin.
 - You can not pause an OTR.
 - If you begin an OTR when another recording is paused, the OTR will resume where the timer recording was.
 - If the timer recording has priority, a message will remind you when the timer recording was scheduled to begin. You may let the timer recording continue; the OTR and OTR continue; the timer recording will not take place. Or, stop the OTR and turn off the VCR immediately. The timer recording will take place if you turn off the VCR before the timer starts.
 - If the timer recording has priority, the message will remind you when the timer recording was scheduled to begin. You may let the timer recording continue; the OTR and OTR continue; the timer recording will not take place. Or, stop the OTR and turn off the VCR immediately. The timer recording will take place if you turn off the VCR before the timer starts.

To cancel the OTR but continue recording, press the REC(ord)/OTR button repeatedly until REC appears in the upper left corner of the TV screen. (STATUS must be set to ON. See page 25 for details.) The REC(ord) light will remain on the display panel of the VCR, but the Timer light will disappear.

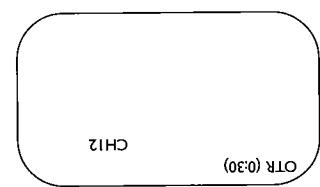


Press the REC(ord)/OTR button repeatedly until the desired recording length (30 minutes to eight hours) appears on the screen. Recording will begin immediately. The REC(ord) light and the Timer light will appear on the display panel.

Press the VCR button, then press the CH(channel) ▲/▼ button or the Number buttons to select the channel you want to record.

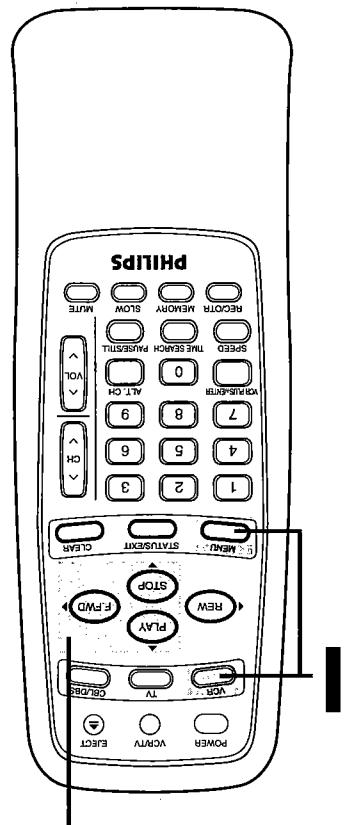
- Set up the channels at the VCR.
- Select a recording speed (SP, SLP) with the SPEED button.
- Put a tape in the VCR. Make sure the tape's record tab is intact and the tape is long enough to record the tape's program(s).
- Place the VCR in VCR position. (The VCR light will appear on the display panel. If it does not, press the VCR/TV button once.)

The One-Touch Recording (OTR) feature allows you to set an immediate timed recording 30 minutes to eight hours long. Before you begin:



32 One-Touch Recording

Timer Recording 33



2-3

Instructions continue on page 34.

- If you need to make a correction while programming a timer record-ing, press the CLEAR button until the cursor is flashing on the item you want to change. Then enter the correct information.
- With ShowGuard, if the power fails for more than one minute, pro-grammed timer recordings will be restored when the clock is reset.
- Details are on page 52.

Helpful Hints

Press the PLAY/◀ button or the STOP/▶ button to select PROGRAM, then press the F.FWD/◀ button.

Press the VCR button, then press the MENU button.

Do each step within 60 seconds of the previous step.

Put the tape in the VCR. Make sure the tape's record tab is intact and the tape is long enough to record the program(s).

Put a tape in the VCR. If it does not, press the VCR/TV button once.

Display panel. If it does not, press the VCR/TV button once.

Set the clock. Set the VCR's record tab is intact and turn it self off automatically. Before you begin:

• Set up the channels at the VCR.

Follow the steps below to program your VCR to record TV pro-grams while you're away from home. The VCR will turn itself on, record, and turn itself off automatically.

Before you begin:

• Follow the steps below to program your VCR to record TV pro-

TO END PUSH EXIT
SELECT PROG/RAM NUMBER
DAILY PROGRAM (MON-FRI)
PROGRAM - 1 2 3 4 5 6 7 8

Daily
Recording
(example)

TO END PUSH EXIT
SELECT PROG/RAM NUMBER
DAILY PROGRAM (MON-FRI)
PROGRAM - 1 2 3 4 5 6 7 8

week.

• **WEEKLY:** The VCR will record the same channel on the same day, at the same time, and for the same length of time every week.

• **DAILY:** The VCR will record the same channel every day from Monday to Friday — starting at the same time and recording for 24 hours.

• **ONCE:** The VCR will record a TV program on any day you choose, up to 12 months away.

• **F.FWD/◀** button.

Press the PLAY/◀ button or the STOP/▶ button to select a ONCE, DAILY, or WEEKLY recording. Then, press the F.FWD/◀ button.

3

TO END PUSH EXIT
SELECT PROG/RAM REVIEW
DAILY PROGRAM REVIEW
PROGRAM - 1 2 3 4 5 6 7 8

◀ CHOOSE ▶

2

TO END PUSH EXIT
SELECT ▲ ▼ CHOOSE ◀
PROGRAM SET UP
VCR SET UP
TUNER SET UP
SET CLOCK

◀ CHOOSE ▶

1

Press the VCR button, then press the MENU button.

Do each step within 60 seconds of the previous step.

Put the tape in the VCR. Make sure the tape's record tab is intact and the tape is long enough to record the program(s).

Put a tape in the VCR. If it does not, press the VCR/TV button once.

Display panel. If it does not, press the VCR/TV button once.

Set the clock. Set the VCR's record tab is intact and turn itself off automatically. Before you begin:

• Set up the channels at the VCR.

Follow the steps below to program your VCR to record TV pro-

grams while you're away from home. The VCR will turn itself on,

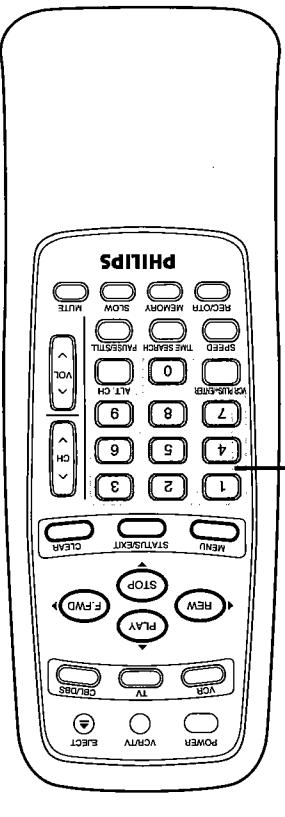
34 Timer Recording (cont'd)

4

Use the Number buttons (1 - 8) to select a slot in which to store the timer recording. There are eight slots. Numbers for open slots will flash on the screen.

NOTE: If you enter a number for a slot that has already been used to store a timer recording PREVIOUSLY SET PROGRAM will appear on the screen briefly. Information about the program in that slot will appear on the screen. If this happens, press the STATUS/EXIT button, then select another number.

4-7



5

Use the Number buttons to enter the channel you want to record.

- Cable users, enter channel numbers as a two-digit number for the quickset results. For example, to select channel 6, press 0, 6. If you only press the Number 6 button, channel 6 will be selected after a brief delay.
- Antenna users, enter channel numbers as a two-digit number for the quickset results. For example, to select channel 5, press 0, 5. If you only press the Number 5 button, channel 5 will be selected after a brief delay. There also may be a brief delay when you select channels 10, 11, and 12. If you want to select channels 100 and above, enter channel numbers as a three-digit number. For example, to select channel 117, press 1, 1, 7.
- If you are recording from line input, press 0, 0 to select AV REAR. If you can not select AV FRONT for this feature, (you are using a Cable Box/DBS, select the Cable Box/DBS output channel (03 or 04). Set the Cable Box/DBS to the channel you want to record. Leave the Cable Box/DBS on for the timer recording. See page eight for details.)

6

Press two Number buttons for the hour you want the recording to begin. Press two Number buttons for the minutes you want the recording to begin. For example, for 9:30 PM, press 09, 30, 2.

TO END PUSH CLEAR
ONE TIME PROGRAM

PROGRAM 1
CHANNEL 10
TIME ON 09:30 PM
TIME OFF -- -- --

Follow the instructions in step 6 to enter the recording's stop time. (AM or PM will be set automatically.)

Helpful Hints

7

- Entries that do not match the VCR's clock or calendar will cause a question mark to appear on the screen.
- If you are recording from line input, connect the audio and video cables to the AUDIO IN and VIDEO IN jacks on the back of the VCR. (You can not select AV FRONT. Please see illustration on page 37.)

TO END PUSH EXIT
ONE TIME PROGRAM

PROGRAM 1
CHANNEL 10
TIME ON 09:30 PM
TIME OFF -- -- --

TO END PUSH EXIT
ONE TIME PROGRAM

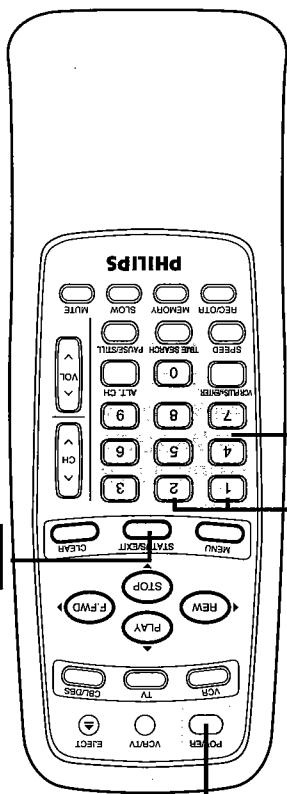
PROGRAM 1
CHANNEL 10
TIME ON 09:30 PM
TIME OFF -- -- --

Tape Speed	Cassette type / Playback Time	T160	T120	T60	SP (standard play)	2 hrs.	2 hrs.	1 hr.	40 mins.	5 hrs.	20 mins.	4 hrs.	2 hrs.	LP (long play)	5 hrs.	20 mins.	4 hrs.	2 hrs.	LP (super long play)	8 hrs.	6 hrs.	3 hrs.
------------	-------------------------------	------	------	-----	--------------------	--------	--------	-------	----------	--------	----------	--------	--------	----------------	--------	----------	--------	--------	----------------------	--------	--------	--------

Timer Recording (cont'd) 35

Turn off the VCR
for the recording.
Insert a tape in
the VCR.
Leave the Cable
Box/DBS on
(if applicable).

Press the POWER button to turn off the VCR power. The timer light will appear on the display panel. If the timer light appears, try again from step 1.)
Press the STATUS/EXIT button. PROGRAM WAS COMPLETED / PLEASE TURN OFF VCR FOR TIMER RECORDING WILL APPPEAR ON THE SCREEN BRIEFLY. (IF PROGRAM NOT COMPLETED APPERS, TRY AGAIN FROM STEP 1.)
If the timer recording will take place several hours or days from now, you may use the VCR until time for the recording. Turn off the VCR a few minutes before the recording starts. If you forget to turn off the VCR a few minutes before the recording starts, if you forget to record during stars. Press the CLEAR button to remove the message.



Press two Number buttons for the month and two Number buttons for the day you want to record the program. For example, for July 10, 2000, press 07, 10. The day of the week and the year will appear automatically (you cannot program the VCR to record more than one year in advance).
Press two Number buttons for the month and two Number buttons for the day you want to record the program. For example, for July 10, 2000, press 07, 10. The day of the week and the year will appear automatically (you cannot program the VCR to record more than one year in advance).
Press the Number 1 button to record in SP speed or the Number 2 button to record in LP speed. (See the chart below.) You cannot use the SPEED button at this time.
Press the Number 1 button to record in SLP speed. (See the chart below.) You cannot use the SPEED button at this time.

ONE TIME PROGRAM 10 CHANNEL 10 PROGRAM 10 CHANNEL 10
TIME ON 0930 PM TIME OF 0930 PM
REC SPEED SLP REC SPEED SLP
START DATE 07/10/00 START DATE 07/10/00
MON MON
TO END PUSH EXIT TO END PUSH EXIT

ONE TIME PROGRAM 10 CHANNEL 10 PROGRAM 10 CHANNEL 10
TIME ON 1100 PM TIME OF 1100 PM
REC SPEED SLP REC SPEED SLP
SPEED SLP SPEED SLP
TO CLEAR PUSH EXIT TO CLEAR PUSH EXIT

8

10

9

11

Checking or Cancelling Timer Recordings

36 Timer Recording (cont'd)

With the VCR on and in VCR position (the VCR light will appear on the display panel), press the VCR button, then press the

MENU button.

PROGRAM REVIEW, then press the **STOP/▲** button to select **PLAY/△** button or the **STOP/▲** button for the **F.FWD/◀** button. The timer recording information for the program in the lowest number slot will appear on the screen. If no timer recordings are set nothing will happen when you press the **F.FWD/◀** button.

set, nothing will happen when you press the FFWD/◀ button.

3

Press the FWD/◀ button repeatedly to review all programmed timer recordings. If you don't press the FWD/◀ button within 10 seconds, the VCR will automatically display information about the next programmed timer recording. This will continue until all timer recordings have been displayed. Then the menu

۷

To cancel the timer recording displayed, press the CLEAR

Buttons: Either the display will disappear or interaction about recording you just programme another timer recording overlap. Then another timer recording will overlap after all timer recordings have been displayed.

been displayed.

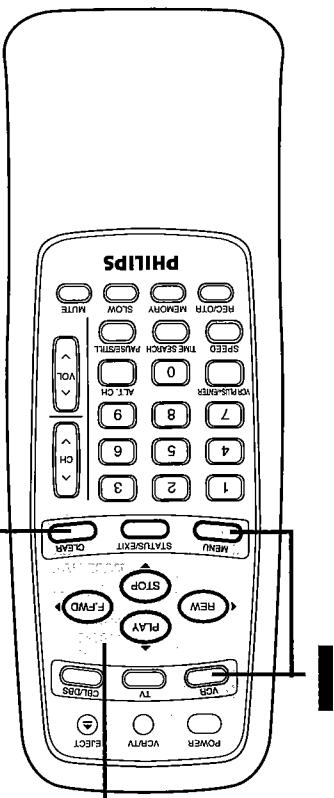
rect timer recording.

- CLASH may flash on the screen when you finish setting a timer recording. This means that the timer recording you just programmed and another timer recording overlap. The current timer recording will not talk to another timer recording overlaap.
- Recording you just programmed and another timer recording overlap. The current timer recording will not talk to another timer recording overlaap.
- If the present time for a timer the OTR has priority. A message comes up during an OTR recording you when the timer remind you when the timer record ing was scheduled to begin. You must stop the OTR and turn off the VCR before place the timer recording in immediate. The timer recording will record the OTR and turn off the VCR before the timer records schedule.
- Let the OTR continue, the timer recording will not take place. Or, record the OTR and turn off the VCR immediately. The timer recording will record the OTR and turn off the VCR before the timer records schedule.

9

5

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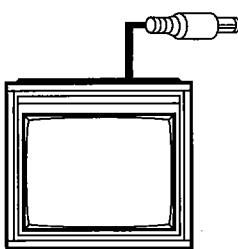


2-4

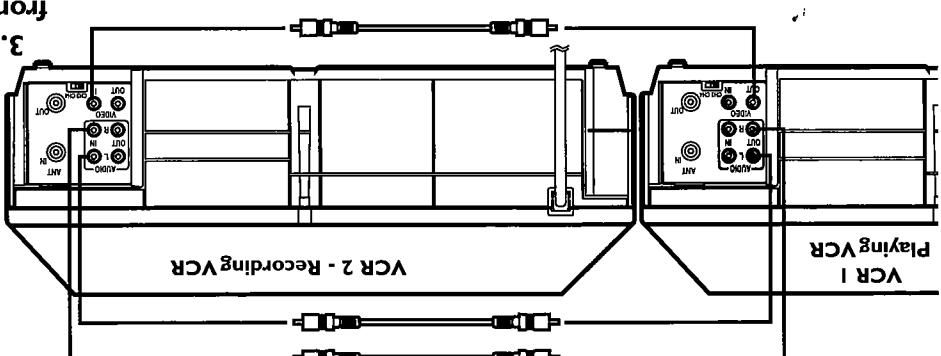
Helpful Hints

- If you use the AUDIO and VIDEO jacks on the back of VCR 2, press Number buttons 0, 1, AV REAR will appear on the screen. (Blue background should be set to ON. Details are on page 50.)
- If you use the AUDIO and VIDEO jacks on the back of VCR 2, press Number buttons 0, 1, AV REAR will appear on the screen. (Blue background should be set to ON. Details are on page 50.)
- If you use the FRONT buttons, Number buttons 0, 1 or 0, 2, AV FRONT jacks on the front of VCR 2, blue details are on page 50.)
- Unauthorized television recording of copy- rights, or other materials may infringe on the rights of copyright holders, or violate laws. If a program has copyright protection, owners and violators of such laws, may not record clearly.
- These instructions show you how to copy tapes using two VCRs like yours. Different VCRs may operate differently.
- The VCR in the figure above is the VR661. If you have the VR461, use a single-plug audio cable to connect the AUDIO OUT jack on VCR 1 to the AUDIO IN jack on VCR 2.

ANTENNA IN jack
VCR 2 to the TV's
from the OUT jack of
3. RF coaxial cable



VCR 1 to VIDEO IN jack of VCR 2
2. Video cable from VIDEO OUT jack of



1. Audio cables from AUDIO OUT jacks of VCR 2

The instructions on this page show you how to copy tapes. The illustration uses two VR661 VCRs. Different VCRs may operate differently. To duplicate a tape, make the connections shown, then follow steps 1-7.

● Audio and Video cables are not supplied.

1. Put a prerecorded tape in VCR 1.
Make the connections shown above.

To stop recording, press the STOP/EJECT button on VCR 1, then press the STOP/EJECT button on VCR 2 at the same time.

2. Point the remote control at VCR 2. Press the VCR button,

Hints at right.)

then press Number buttons 0, 0, 1 or 0, 0, 2. (See Helpful

3. Turn on the TV and set it to channel 03 or 04, whichever

channel the CH3/CH4 switch on VCR 2 is set to.

4. Insert a blank tape in VCR 2. The

VCR must be in VCR Position. (The VCR light will appear on the display panel, if it does not, press the VCR/TV button once.)

5. Turn on the TV and set it to channel 03 or 04, whichever

6. Press the SPEED button to select SP or SLP at VCR 2.

7. Press the PLAY button on VCR 1 and the REC(ord)/OTR

7

6

5

4

3

2

1

8

Box/DBS output channel) for every VCR Plus+ channel.

NOTE: If you are using a Cable Box/DBS, the Cable/TV channel must be 3 or 4 (the Cable TV channels of your local newspaper).

Since the channel numbers of the stations you receive may not be the same as the station numbers, and since channel numbers differ from area to area, you must program the VCR with your local channel information. To fill in the boxes, you will need 1) a cable channel list, if applicable (you can request one from your cable company), and 2) a chart that lists VCR Plus+ channel numbers, which you can find in your TV guide.

First, fill in the boxes on this page. It will only take a few minutes, and you must do it if you want the VCR Plus+ programming system to work properly.

Setting Up the VCR Plus+ Programming System (cont'd) 39

Page 38.

2 Page 38.

A diagram of a Philips remote control. The remote has a rectangular shape with rounded corners. At the top center is the Philips logo. Below the logo is a numeric keypad with buttons labeled 1 through 9 and 0. Above the numeric keypad are buttons for SPEED, PRESET, and CHANNEL. To the left of the numeric keypad are buttons for VOL (volume) and CH (channel). Below the numeric keypad are buttons for STOP, F-FWD, PLAY, and REW. At the bottom are buttons for POWER, VOLUME, and SELECT. Callouts are present: a large number 4-6 is at the bottom left; a large number 3 is at the bottom right; and a large number 7 is on the right side, pointing to the REW button.

Press the VCR button, then press the MENU button.

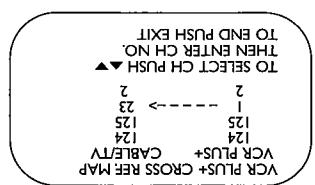
Press the PLAY/◀ button or the STOP/▶ button to select VCR SET UP when press the FWD/▶ button.

Press the PLAY/◀ button or the STOP/▶ button to select VCR PLUS+REF. MAP, then press the F.FWD/◀ button.

Look at the lists you filled in on page 38. For stations whose VCR Plus+ and Cable/TV channels do not match, press the PLAY/▲ button or the STOP/▼ button until the arrow is beside the VCR Plus+ channel you need. Then, press the

- If you are recording from line input, press 0,0 to select AUX.
- Connect the audio and video cables to the AUDIO IN and VIDEO IN jacks on the back of the VCR. (Please see illustration on page 37.) You can not use the AUDI0 and VIDEO in jacks on

- If you are using a Cable Box/DBS, the Cable/TV channel will be 3 or 4 (the Cable Box/DBS output channel) for every VCR Plus+ channel. You must set the Cable Box/DBS to the channel you want to record; leave the Cable Box/DBS on for the timer recording.



Press the STATUS/EXIT button.

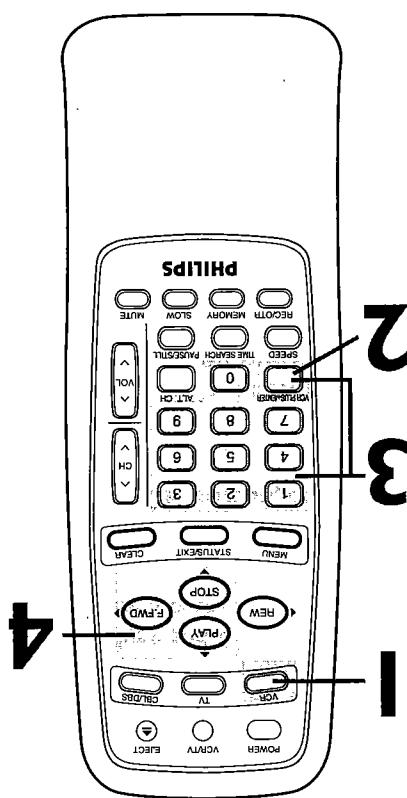
- To erase a Cable/TV channel number -
be, repeat steps 3-5 on this page.
- Then, press the PLAY/▲ button or
the STOP/◀ button until the arrow
appears beside the Cable/TV chan-
- nel you need to erase. Press the
CLEAR button, then press the STA-
- When you receive the VCR, all the
VCR Plus+ channel numbers and
Cable/TV channel numbers are the
same.

[Helpful Hints](#)

Helpful Hints

- CODE ERROR may flash on-screen after step 3 if you enter an incorrect PlusCode programming number (for example, one that is too short). The previous screen will appear. Enter the correct PlusCode programming number again.
- If CLASH flashes on-screen after step 3, the timer recording you just programmed overwrote another timer recording on the same day. Press the PLAY/▲ button or the STOP/▼ button to select F.FWD/D◀ button.
- If CLASH flashes on-screen after step 3, the timer recording you just programmed overwrote another timer recording on a different day. Press the PLAY/▲ or WEEKLY recording button to select F.ONCE, DAILY, or WEEKLY recording. Then, press the F.FWD/D◀ button.
- You may use the VCR Plus+ to record programs on Cable TV channels up to channel 125. With ShowGuard, if the power fails for more than one minute, programming will be restored when the clock is reset. Details are on page 52.

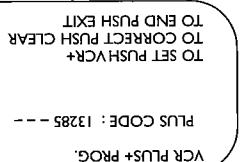
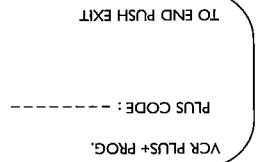
40 Timer Recording with the VCR Plus+ Programming System



- Follow these steps to set a timer recording with the PlusCode programming numbers in your TV guide. Before you begin:
- Set up the VCR Plus+ and Cable/TV channel numbers (pages 38-39).
 - Put a tape in the VCR.
 - Make sure the VCR light appears on the display panel. If it does not, press the VCR/TV button once.
 - Do each step within 60 seconds of the previous step.

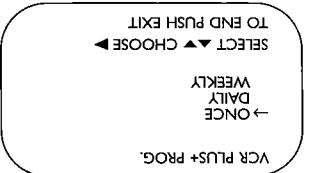
Press the VCR PLUS+ENTER button.

Press the VCR button.



Press the Number buttons to enter the PlusCode programming number of the program you wish to record. Then, press the VCR PLUS+ENTER button.

- **ONCE:** The VCR will record a TV program on any day you choose, up to 12 months away.
- **DAILY:** The VCR will record a program every day from Monday through Friday — starting at the same time and recording for the same length of time.
- **WEEKLY:** The VCR will record a program on the same day every week.

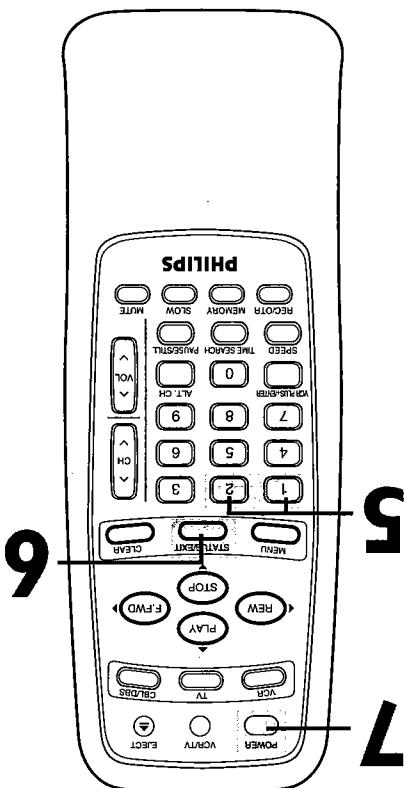


Helpful Hints

- If the present time for a timer recording comes up during an OTR, the OTR has priority. A message will let the OTR continue; the timer recording will not take place. Or, let the OTR continue; the timer recording will stop the OTR and turn off the VCR.
- immediately. The timer recording will take place if you turn off the VCR before the timer recording's scheduled start time.
- To stop a started timer recording, press the STOP/EJECT button on the VCR.
- If you are using a Cable Box/DBS, if you are lost in this case, repeat steps 2-7 on page 39.
- If the power fails for more than one minute, VCR Plus+ channel numbers higher than 100 may be lost. In this case, refer to steps 2-7 on page 39.
- timer recordings are programmed differently. See pages 38-39 for details.
- See page 52 for more hints.

(if applicable).

**Leave the Cable Box/DBS on
Insert a tape in the VCR.
for the recording.
Turn off the VCR**



Timer Recording with the VCR Plus+ Programming System (cont'd) 41

Press the NUMBER 1 button to record in SP speed or the NUMBER 2 button to record in SLP speed. Your selection will appear beside REC SPEED on-screen; SP=1 SLP=2 will continue to flash. For details about tape speed, see pages 35 and 54. You cannot use the SPEED button at this time.

Press the STATUS/EXIT button. The Timer light will flash if there is not a tape in the VCR. If the timer recording will take place several hours or days from now, you may use the VCR until time for the recording. Just turn off the VCR a few minutes before the recording starts. If you forget to turn off the VCR, PLEASE TURN OFF VCR FOR TIMER RECORDING.

RECORDING flashes on your TV screen two minutes before a timer recording starts. Remove the message by pressing the CLEAR button.

Press the POWER button to turn off the VCR. PLEASE TURN OFF VCR FOR TIMER RECORDING.

Press the STATUS/EXIT button. PROGRAM WAS COM-

PLETED / PLEASE TURN OFF VCR FOR TIMER RECORDING should appear on-screen briefly.

TO END PUSH EXIT
PROGRAM 1
TIME ON 1030 PM
TIME OFF 1130 PM
REC SPEED SLP
SP=1 SLP=2
START DATE 10/10/00
THE

7

6

5

42 Repeat Play

Follow the steps below to make the VCR play a tape over and over.

3-5

Press the VCR button.

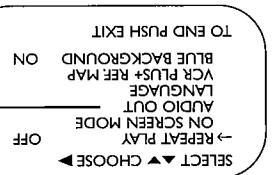
2

Press the MENU button.

3

VCR SET UP, then press the F.FWD/◀ button.

VRC661 only



4

Press the PLAY/◀ button or the STOP/▶ button to select REPEAT PLAY.

5

Press the F.FWD/◀ button so that ON appears beside REPEAT PLAY.

6

Press the STATUS/EXIT button. Now, when a tape has finished playing, the VCR will rewind it and start playback again.

Helpful Hints

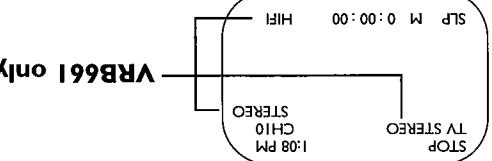
- To cancel Repeat Play, follow steps 1-4 above. At step 5, press the FFWD/◀ button so that OFF appears beside REPEAT PLAY. Press the STATUS/EXIT button.
- The real-time counter memory does not function during Repeat Play.

- To erase a real-time counter memory, press the MEMORY button until FWD/REV button flashes. Details are on page 42.
- The MEMORY button does not function if REPEAT PLAY is set to ON.
- To erase a real-time counter memory, press the MEMORY button until FWD/REV button flashes. Details are on page 42.
- You may only set the real-time counter to zero at one location at a time. If you set the real-time counter to zero at a second location, the previous real-time counter will be erased.

Helpful Hints

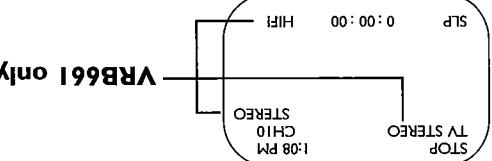
- To go to a tape location where the real-time counter was reset to zero, press the REW(ind)/FWD(button) until FWD/REV button flashes the point at which the counter was set to zero. The tape will stop. When the tape reaches the point at which the counter was set to zero, the tape will stop.
- To reset the real-time counter to zero at a second location, press the REW(ind)/FWD(button) until FWD/REV button flashes the point at which the counter was set to zero. The tape will stop.

6



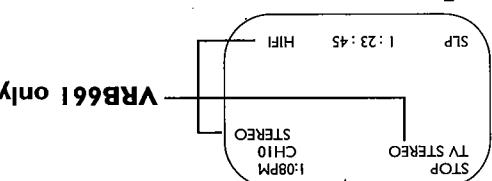
While the real-time counter is on the screen, press the MEMORY button so that M appears beside the counter.

5



While the status display is on the screen, press the CLEAR button to reset the real-time counter to zero.

4



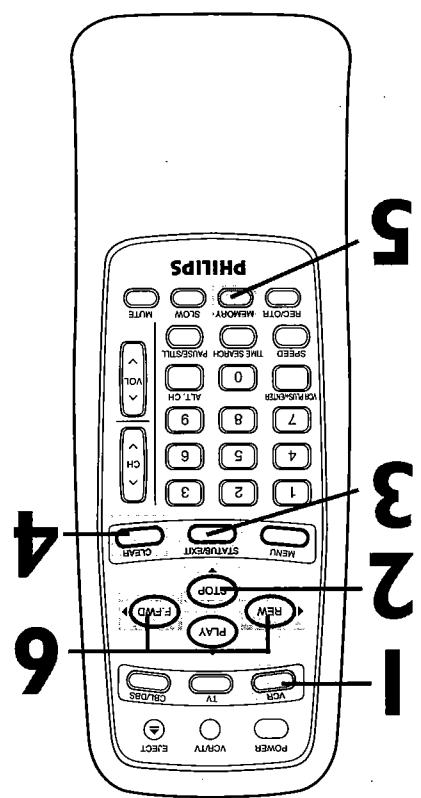
Press the STATUS/EXIT button to see the status display.

3

Play, fast forward, or rewind a tape to the location that you would like to refer to later. Press the STOP/▲ button to stop the tape.

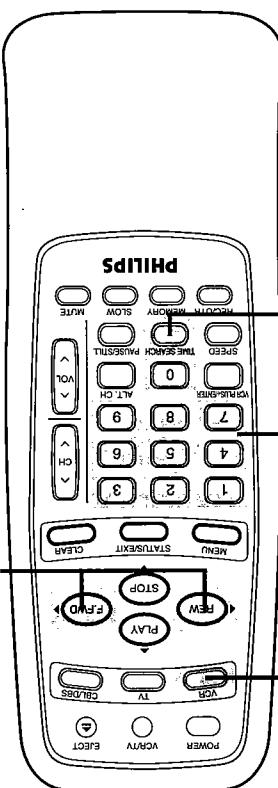
2

Press the VCR button.



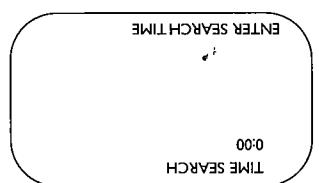
Follow the steps below to reset the real-time counter to zero at a tape location you want to refer to later.

- Helpful Hints**
- If you want to search for more than 59 minutes, you must enter the length of time in hours and minutes. For example, to search forward 70 minutes, press 1, 1, 0 at step 3.
 - You can not do a Time Search while recording.
 - To remove the Time Search display, press the TIME SEARCH button again.
 - To cancel a Time Search that is in progress, press the STOP/▲ button.



Follow the steps below to program the VCR to search forward or backward on a tape a specific length of time. There must be a tape in the VCR.

Press the VCR button.



Press the TIME SEARCH button.

2

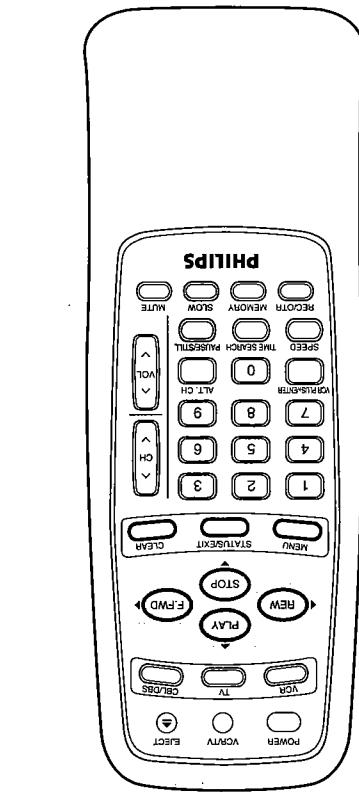
Press the VCR button.

3

Within 10 seconds, use the Number buttons to enter the desired length of time you want to skip forward or backward. For example, for 1 hour, 25 minutes, press Number buttons 0, 5, 1, 2, 5. Or, for five minutes, press Number buttons 0, 0, 5.

Within 10 seconds, press the F-FWD/◀ button or the REW(Ind)/◀ button. The VCR will skip over the specified length of time, then begin playback.

4



Special Effects Playback 45

Forward and Reverse Searching (SP/LP/SLP)

During tape playback, press and release the F.FWD/ \blacktriangleleft button or the REW(ind)/ \blacktriangleright button. A fast forward or reverse picture search will begin.

Super High Speed Searching (LP/SLP)

To return to normal playback, press the PLAY/ \blacktriangleleft button.

During tape playback, press the F.FWD/ \blacktriangleleft button or the REW(ind)/ \blacktriangleright button, then press again. The VCR will now search in super high speed.

Viewing a Still Picture

To return to normal playback, press the PLAY/ \blacktriangleleft button.

During tape playback, press the PAUSE/STILL button. A still picture will appear on the screen.

Viewing a Slow Motion Picture

To release the still picture and return to playback, press the PAUSE/STILL button again.

- Slow and Still modes will automatically switch to Stop mode after five minutes to protect the VCR and the tape from damage.
- SP/LP/SLP means this feature will work with tapes recorded in Standard Play, Long Play, or Super Long Play.
- LP/SLP means this feature will work with tapes recorded in Long Play, or Super Long Play.
- SP/LP/SLP means this feature will only switch to Stop mode after five minutes to protect the VCR and the tape from damage.
- LP/SLP means this feature will work with tapes recorded in Normal Play, or Super Long Play.

Helpful Hints

To release Slow mode and return to normal playback, press the SLOW button again.

2

During tape playback, press the SLOW button. The tape will play in slow motion.

Viewing a Slow Motion Picture

To release the slow motion picture and return to playback, press the SLOW button again.

2

During tape playback, press the PAUSE/STILL button. A still picture will appear on the screen.

Viewing a Still Picture

To return to normal playback, press the PLAY/ \blacktriangleleft button.

2

During tape playback, press the F.FWD/ \blacktriangleleft button or the REW(ind)/ \blacktriangleright button, then press again. The VCR will now search in super high speed.

Super High Speed Searching (LP/SLP)

To return to normal playback, press the PLAY/ \blacktriangleleft button.

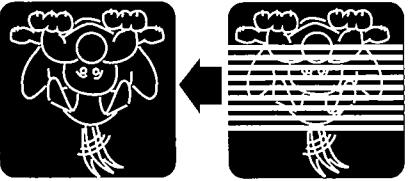
2

During tape playback, press and release the F.FWD/ \blacktriangleleft button or the REW(ind)/ \blacktriangleright button. A fast forward or reverse picture search will begin.

Forward and Reverse Searching (SP/LP/SLP)

During tape playback, press the F.FWD/ \blacktriangleleft button or the REW(ind)/ \blacktriangleright button. A fast forward or reverse picture search will begin.

2



Before
Tracking
Adjustment

After
Tracking
Adjustment

remove vertical jitter in a Still Picture.

You may press the CHANNEL ▼/▲ buttons on the VCR to You cannot manually adjust the tracking of a Still Picture. However,

press the STOP/▲ button or insert a tape. Tracking will return to Automatic Tracking Adjustment when you

(tracking).

CHANNEl) ▼/▲ button on the remote control will not adjust playback, press the CHANNEL ▼/▲ buttons on the VCR. (The To manually adjust the tracking during playback and slow motion

Manual Tracking

better picture using the manual tracking controls (see below). The VCR adjusts tracking automatically to give you the best possible picture quality. With some recordings, however, you may get a

Automatic Tracking Adjustment

A tape can be ejected with the VCR power on or off (but the VCR must be plugged in). If a timer recording is set, a tape can only be ejected with the power on. Make sure you insert a tape and turn off the VCR power for the timer recording.

Tape Eject

When a tape is played, fast forwarded, or recorded to its end, the VCR will rewind the tape, stop, eject the tape, then turn itself off. If the real-time counter memory is set, the VCR will only rewind the tape to the point at which the counter is set to zero, then stop. The VCR will not eject the tape automatically or shut itself off.

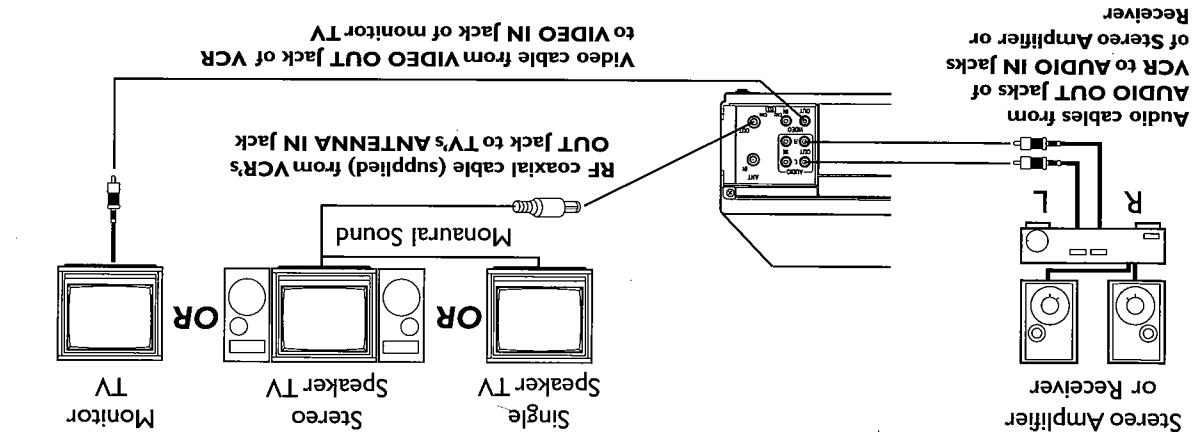
Automatic Rewind, Eject, Off

If a timer recording is set and the VCR power is off, the VCR will eject the tape if the record tab is missing. If a timer recording is set, the power will not come on automatically when you insert a tape with the record tab intact. If the tape's record tab is missing, playback will begin. When you put a tape in the VCR, the power will come on automatically. If the tape's record tab is missing, playback will begin.

Automatic Playback

The following playback features will always operate.

46 Automatic Operation Features



To record and play back programs broadcast in stereo, even if you have a Single Speaker TV, just use one of the connections shown, then follow the steps on pages 48-49.

You cannot record in both stereo and second audio at the same time.

NOTE: Although a program may be broadcast in both stereo and second audio,

record the program. Follow the directions on page 48.

in stereo or second audio, you still must program the VCR to receive or

record a program here. Even though a program is available

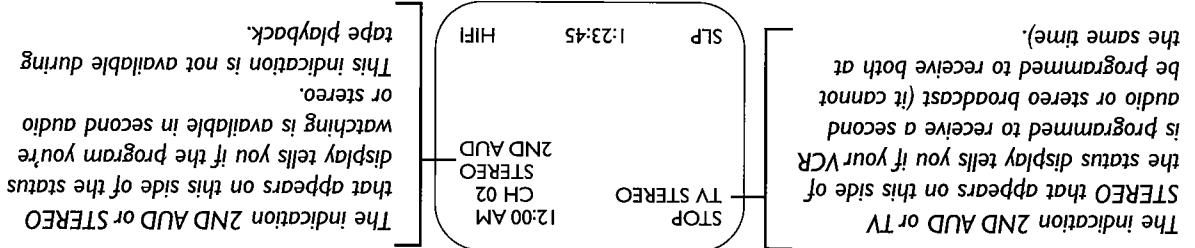
When a program is available both in stereo and second audio, both

appears here.

When a program broadcast in second audio is available, 2ND AUD

When a program broadcast in stereo is available, STEREO appears here.

Specifically...



When you receive a signal from a channel you're watching, portions of the on-screen display shown below will appear. When you press the STATUS/EXIT button on the remote control, the indications on this side of the status display is available if the program you're watching is available in second audio. That appears on this side of the status display tells you if the program you're watching is available in second audio. The indication N2D AUD or TV that appears on this side of the status display tells you if your VCR is programmed to receive a second audio broadcast (it cannot be programmed to receive both at the same time).

Read the directions on this page to familiarize yourself with your VCR's stereo and second audio setups. Then follow the directions on page 48 to record in stereo or second audio and the directions on page 49 to play back tapes recorded in Hi-Fi stereo.

Your VCR also will record in Hi-Fi stereo or in second audio, so when you play back that tape on the VCR, it will be in stereo or second audio. If you play back the tape on a VCR that can't play back tapes in stereo or second audio, the VCR will automatically play the tape in monaural sound.

Your VCR can play recordings broadcast in Hi-Fi (high fidelity) stereo, which produces a crisp, clear sound from two sources. Your VCR also can play tapes recorded in a second audio (usually, that means your program is recorded in a second language). Of course, your VCR will play tapes recorded in monaural (single-source) sound as well.

48 Multi-Channel Television Sound System (VRB661 only) (cont'd)

Helpful Hints

- You can only receive and record in stereo or second audio programs that are broadcast in stereo or second stereo or second audio. You can only play in and audio. You can only select stereo or second audio when watching/record in stereo or second stereo or second audio.
- If you select second audio when watching/record is being broadcast in mono if the program you want to watch/record is stereo or second audio. Please see page 47 to determine what was recorded in stereo or second stereo or second audio.
- VCR will record normal audio. Second audio is not available, the VCR will record normal audio.

Press the REC(ord)/OTR button to start recording.

6

To record, select the channel to be recorded using the CH(channel) ▲/▼ button.

5

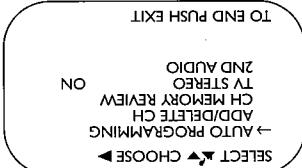
Press the STATUS/EXIT button.

4

Press the PLAY/◀ button or the STOP/▶ button to select TV STEREO or 2ND AUDIO. Then, press the FFWD/◀ button. ON will appear to the right of your selection.

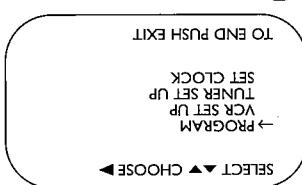
3

Press the TUNER SET UP, then press the FFWD/◀ button.

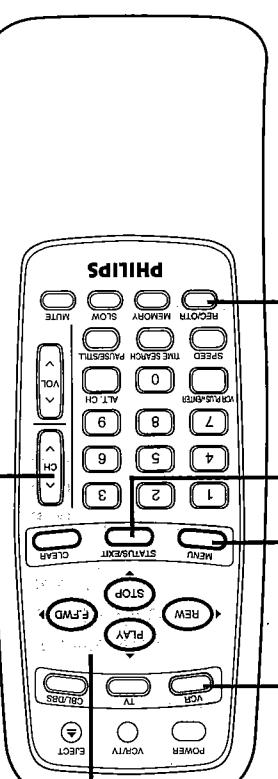


Press the PLAY/◀ button or the STOP/▶ button to select TUNER SET UP, then press the FFWD/◀ button.

2



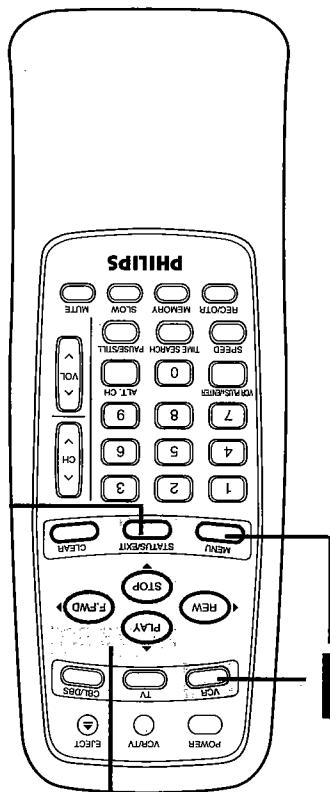
Press the VCR button, then press the MENU button.



Hi-Fi Stereo Sound System (VRB661 only) 49

Helpful Hints

- All programs are automatically recorded in both Hi-Fi stereo sound and in monaural sound.
- The audio level of a tape recorded in Hi-Fi stereo will differ from the audio level of a tape recorded in monaural sound.
- Normally, HiFi should be selected if you want monaural audio play-back with Hi-Fi sound. But you can change the selection to MONO from the AUDIO OUT menu for playback during TV viewing.
- If you play non-Hi-Fi tapes while the button. HiFi will disappear from the status display during TV viewing.
- VCR is set to HiFi, the tape will play in monaural sound.
- Please see additional notes on page 53.

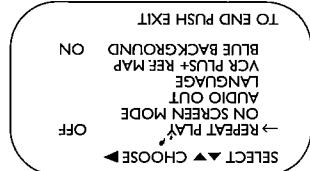


2-4

Multi-Channel Television Sound system broadcasts are automatically recorded in Hi-Fi stereo, however, you'll need to follow steps 1-5.

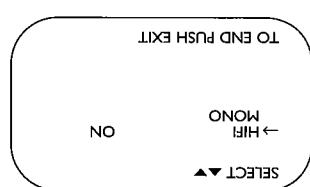
Press the VCR button, then press the MENU button.

VCR SET UP, then press the STOP/▲ button to select



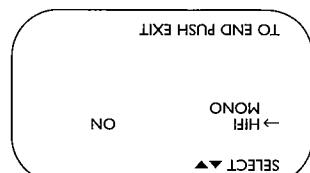
3

Press the PLAY/▲ button or the STOP/◀ button to select



4

Press the PLAY/▲ button or the STOP/◀ button to select

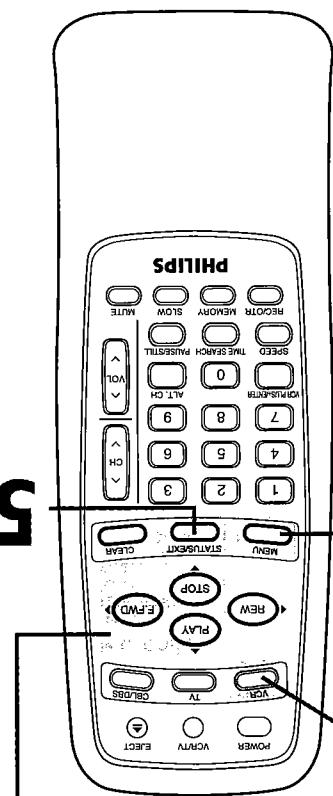


5

Press the STATUS/EXIT button.

3-4

5



If you want the TV screen to be solid blue when a weak signal is received, set BLUE BACKGROUND to ON. The screen will be blue and the sound will be muted.

Or, if you want to receive the weak signal, set BLUE BACK- GROUND to OFF. When you select a channel that is receiving a weak signal, you will see and hear the static in the TV program- ming. The channel number will not appear on the screen when you select a weak channel.

To set BLUE BACKGROUND to ON or OFF, follow these steps.

Press the VCR button.

Press the MENU button.

VCR SET UP button or the STOP/▲ button to select

VCR SET UP, then press the FFWD/◀ button.

TO END PUSH EXIT

—> PROGRAM

SET CLOCK

TUNER SET UP

—> LANGUAGE

AUDIO OUT

—> SCREEN MODE

BLUE BACKGROUND

—> REPEAT PLAY MODE

—> SELECT ▲ CHOOSE

TO END PUSH EXIT

—> PROGRAM

SET CLOCK

TUNER SET UP

—> LANGUAGE

AUDIO OUT

—> SCREEN MODE

BLUE BACKGROUND

—> REPEAT PLAY MODE

—> SELECT ▲ CHOOSE

VRB661 only

VRB661 only

Press the PLAY/◀ button or the STOP/▲ button to select BLUE BACKGROUND. Then, press the FFWD/◀ button repeatedly so that OFF (or ON) appears beside BLUE BACKGROUND.

TO END PUSH EXIT

—> PROGRAM

SET CLOCK

TUNER SET UP

—> LANGUAGE

AUDIO OUT

—> SCREEN MODE

BLUE BACKGROUND

—> REPEAT PLAY MODE

—> SELECT ▲ CHOOSE

TO END PUSH EXIT

—> PROGRAM

SET CLOCK

TUNER SET UP

—> LANGUAGE

AUDIO OUT

—> SCREEN MODE

BLUE BACKGROUND

—> REPEAT PLAY MODE

—> SELECT ▲ CHOOSE

Press the STATUS/EXIT button.

5

Child Lock 51

2



2-3

Child Lock prevents use of the VCR by deactivating the VCR feature buttons on the VCR and the remote control. To set the Child Lock, turn on the VCR power, then follow the steps below.

Press the VCR button.

Press 10 seconds so that CL appears on the display panel. The VCR will turn off.

The time will appear on the display panel. CL will appear on the display panel every two seconds.

You may insert a tape. However, the VCR Power will remain off and tape playback will not begin.

When Child Lock is activated:

- You may press the EJECT button to remove the tape (unless a timer recording is programmed).
- Timer recording is scheduled, even if Child Lock is activated. CL will appear steadily on the display panel during the timer recording.
- The TV and Cable Box/DBS feature buttons of the remote control will still operate when Child Lock is activated.

To cancel the Child Lock, press the VCR button, then press 10 seconds so that the VCR turns on.

3

- No Power**
 - Make sure the power plug is completely connected to an AC (alternating current) outlet.
 - Make sure the power is turned on.
- Power Failure**
 - With ShowGuard, if the power fails for more than one minute, programmed timer recordings will be restored when the clock is reset. (The clock will reset itself automatically if you are using the AUTO CLOCK feature.) If you are not using the AUTO CLOCK feature, reset the clock manually. Details are on page 15-16. The timer recording will not occur only if the timer recording was scheduled to take place during the power failure.
- TV Program cannot be recorded.**
 - Check the connections between the VCR, TV, antenna/cable, and Cable Box/Direct Broadcast System (if applicable). Details are on page 15-16. The timer recording will not occur only if the timer recording was scheduled to take place during the power failure.
- A TV**
 - With ShowGuard, if the power fails for more than one minute, programmed timer recordings will be restored when the clock is reset. (The clock will reset itself automatically if you are using the AUTO CLOCK feature.) If you are not using the AUTO CLOCK feature, reset the clock manually. Details are on page 15-16. The timer recording will not occur only if the timer recording was scheduled to take place during the power failure.
- The VCR will not perform a timer recording.**
 - Check the CH3/CH4 switch. Details are on page 15-16.
 - Check the TV/VCR position. Details are on page 27.
 - Make sure the tape has a record tab. Details are on page five.
 - Make sure the timer recording start and stop times are set correctly. Details are on pages 33-36.
 - Make sure a tape is in the VCR and the tape has a record tab. Details are on page five. If, after programming a timer recording, you turn off the VCR without putting a tape in the VCR, the Timer light will blink.
 - Make sure the VCR Power is off.
 - If you have a Cable Box/Direct Broadcast System, timer recordings are programmed differently. Details are on page eight.
 - Finish programming a timer recording at least five minutes before the recording is set to begin.
 - 12 p.m. is noon; 12 a.m. is midnight.
 - There is no playback picture or the playback picture is noisy or contains streaks.
 - Make sure the TV is on the same channel as the VCR's CH3/CH4 switch.
 - Make sure the VCR is in VCR position. (The VCR's light will appear on the display panel.)
 - Adjust the trackring. Details are on page 46.
 - TVs placed too close to the VCR can cause interference during tape playback. Move the VCR away from the TV.
 - TVs placed too close to the VCR can cause interference during tape playback. Move the VCR away from the TV.
 - Press the VCR button, then try the other VCR feature buttons.
 - Make sure the VCR light appears on the display panel. If it does not, press the VCR/TY button once.
 - Aim the remote control directly at the VCR's remote sensor. Details are on page 27.
 - Remove all obstacles between the remote control and the VCR.
 - Inspect and/or replace the batteries in the remote control. Details are on page five.
 - The VCR cannot be controlled with the remote.
 - Check the Child Lock. Details are on page 51.
 - The Number buttons won't work for channels above 69.
 - Enter channel numbers as a three-digit number. If you want to select channels 100 and above, enter chan-
 - nel numbers as a two-digit number. Details are on page 23.
 - Put the VCR in TV position. Press the VCR/TY button so that the VCR light disappears from the display panel. Details are on page 27.
 - Check the connections between the VCR, TV, antenna/cable, and Cable Box/Direct Broadcast System (if applicable). Details are on pages six-10.
 - Check the tape cannot be inserted.

If you need to call a customer service representative, please know the model number and serial number of your product before you call. This information is displayed on the back of the product. Also, please take a moment to identify the problem you are having, and be prepared to explain this to the representative. If you believe the representative will be able to help you with operations, please stay near the product. Our representatives will be happy to assist you.

If you are having problems with your product, check this list of problems and possible solutions before requesting service. You may be able to solve the problem yourself.

- Tape cannot be removed.**
 - If a timer recording is programmed and the VCR Power is off, you can not insert a tape without a record tab.
 - Make sure the Power plug is completely connected to a power outlet.
 - You have set a timer recorder for your timer recording. Turn off the VCR Power on, then eject the tape. Be sure to insert a tape and turn off the timer recorder.
 - VCR ejects the tape when the REC(ord)/OTR button is pressed or when the VCR power is turned off to set a timer recording.
 - Turn off the timer recorder.**
 - Turn off the VCR Power. Turn the VCR Power on, then eject the tape. Be sure to insert a tape and turn off the timer recorder.
 - Make sure the tape has a record tab. Details are on page five.
 - Turn off the timer recorder.
 - Direct Broadcast System Hookups**
 - To enable the quick play mechanism, the cylinder will rotate for about five minutes. This is normal. The quick play mechanism allows the tape mechanism to switch from Stop mode to Play mode in one second.
 - Watching one TV channel while recording another may not be possible if you have a DBS hook-up. You may have to set your TV to channel 03 or 04, then make your channel selections at the DBS. Details are on page nine.
 - With many DBS hookups, if you use accessory audio and video cables to connect your VCR to your TV, you will have to put your VCR in Line input mode (channel 001 or 002).
 - If you accidentally enter Line input mode (AV FRONT or AV REAR will appear on your TV screen briefly), press the CH(Channel) ▲/▼ button or use the Number buttons to select another channel.
 - HIFI Stereo Sound (VRB661 only)
 - When connecting the VCR to a stereo TV, you will only get stereo sound if you use audio cables to connect the AUDIO OUT jacks on the VCR to the AUDIO IN jacks on your TV, and if the TV is in Line mode.
 - When connecting the VCR to the AUDIO IN jacks on your TV, and if the TV is in Line mode, you are receiving a signal. But, as long as the status display indicates you are receiving a stereo signal, you are receiving a stereo signal. This is normal.
 - Only tapes recorded in Hi-Fi audio will play back in Hi-Fi audio. Tapes recorded in normal audio will play back in monaural audio.
 - Cleaning the Video Heads**
 - When you connect the VCR to the AUDIO IN jacks on your TV, the stereo (auxiliary) input mode.
 - When you connect the VCR to the AUDIO IN jacks on your TV, and if the TV is in Line mode, the stereo signal from the TV might not glow. But, as long as the status display indicates you are receiving a stereo signal, you are receiving a stereo signal. This is normal.
 - When you connect the VCR automatically cleans the video heads each time you insert a tape. However, the heads may become dirty. If so, use a commercially-available head cleaner or have an authorized service center clean the video heads. Eventually, the heads may need to be replaced.
 - Your VCR automatically cleans the video heads each time you insert a tape. However, the heads may copy right owners. This technology in order to protect the rights of copyright holders.
 - Some programs may be broadcast with copy right protection technology in order to protect the rights of copyright holders. This technology is used on programs that are recorded on video tapes or Digital Video Discs (DVDs), as well as some programs broadcast by antenna/cable/satellite television channels.
 - Programs broadcast with copy right protection technology may not be cleared. Tapes of copy right protected programs may have a picture that is dark or dim, or the picture may fluctuate. Therefore, you should avoid recording a picture that is dark or dim, or the picture may fluctuate.
 - Before recording a tape is a recording of a copy right protected program, the picture may not be cleared. Likewise, if you play a tape that is a recording of a copy right protected program, the picture may not record clearly.
 - Programs broadcast with copy right protection technology may not record clearly. Likewise, if you play a tape that is a recording of a copy right protected program, the picture may not be cleared.

Helpful Hints (cont'd) 53

AUDIO IN/OUT jacks: jacks located on the front and back of the VCR which are used to record audio from another source (IN) or to send audio to another system (OUT).	The VRB661 has a single AUDIO IN jack on the front and back of the VCR. It has Right and Left AUDIO IN jacks on the front and back of the VCR. It has Right and Left AUDIO OUT jacks on the back of the VCR. When you press the CH(channel) ▲/▼ button, you only scan through channels you receive. If you have all available channels. Then, when you press the CH(channel) ▲/▼ button, you can receive channels 1-69. (Ultra high frequency; channels 2-13) and UHF (Ultra high frequency; channels 14-69).
Automatic Channel Setup: process in which the VCR memo-	Bands: settings that allow you to tune channels.
Box:	Antenna - VHF (very high frequency; channels 2-13) and UHF (ultra high frequency; channels 14-69).
Cable: - all standard channels can be received without a Cable Box.	Cable - all standard channels can be received without a Cable Box.
Caple Box/DBS Output Channel: 03 or 04.	Dubbing: copying a tape using a second VCR.
Frame: a still picture.	HQ: high quality; a feature in the VCR circuitry which provides enhanced picture detail.
Dubbing: copying a tape using a second VCR.	Line Input: The channel to which you set your VCR during dub-
Line Output: The channel to which you set your VCR during dub-	VCR, select channel 002 (AV FRONT). If you use the front of the VCR, select channel 001 (AV REAR).
OTR: One-Touch Recording; a timed recording that starts immedi-	Remote Control: the small electronic unit that came with your VCR, allows you to operate your VCR from a distance. You may be able to operate your TV, Cable Box, or Direct Broadcast System with the remote control.
RF coaxial cable: The cable supplied with your VCR. Use it to connect your VCR to your TV (or Cable Box or DBS). The supplied cable is a snap-on type. However, you may use a screw-on type if you prefer.	Special Effects: forward and reverse searching; a still picture; slow motion play/back.
Tape Speeds: how fast the tape travels during a recording or play-	Video: video cassette recorder.
VCR: video cassette recorder.	VCR which are used to record video from another source (IN) or to send video to another system (OUT).

Specifications 55

Cable TV Channels
1-125

Tuner Broadcast Channels
VHF 2-13, UHF 14-69

Dimensions
14-3/16" (W) x 3-5/8" (H) x 8-3/4" (D)
(360mm x 92mm x 223mm)

Weight
5.5 lbs. (2.5 kg) (VRB661)
5.3 lbs. (2.4 kg) (VRB461)

Relative Humidity
10% to 80%

Operating Temperature
41°F (5°C) to 104°F (40°C)

Power Consumption
19W (VRB661)
18W (VRB461)

Power Requirements
120V AC; 60Hz

VHF Output Signal
VHF/UHF - 75 ohm external antenna terminal
Channel 03 or 04 (switchable)
75 ohms unbalanced

Video Signal
EIA standards; NTSC color

Video Heads
Four heads (VRB461)
Four heads - Hi-Fi (VRB661)

Antenna
VHF/UHF - 75 ohm external antenna terminal

NOTE: Designs and specifications are subject to change without notice.

This warranty gives you specific legal rights. You may have other rights which vary from state to state.

SERIAL #
MODEL #

Please record below the model and serial numbers found
on the product. Also, please fill out and mail your warranty
registration card promptly. It will be easier for us to notify
you if necessary.

REMEMBER...

obtain the cost of out-of-warranty exchange.

Phillips Service Solutions Group at 1-800-531-0039 to
in the U.S.A., Puerto Rico, or U.S. Virgin Islands, contact

TO GET OUT-OF-WARRANTY EXCHANGE.

including any implied warranties of merchantability or fit-
ness for a particular purpose. Phillips is not liable under any
circumstances for any direct, indirect, special, incidental, or
consequential damages, however incurred, even if notified
of the possibility of such damages.

In Canada, this warranty is given in lieu of all other war-
ranties. No other warranties are expressed or implied.

1-800-363-7278 (English Speaking)

1-800-661-6162 (French Speaking)

Please contact Phillips at:

TO EXCHANGE A PRODUCT IN CANADA...

rants, this limitation may not allow limitations on how long an implied war-
ranty may last, this limitation may not apply to you.
states do not allow limitations on how long an implied war-
ranty may last, this expression of this warranty. Because some
to the duration of this express warranty, are limited in duration
and fitness for a particular purpose, are limited in duration
warranties, including implied warranties of merchantability
and keep nearby. Also keep the original box and pack-
ing material in case you need to return your product.
and keep both nearby. Attach it to the owner's manual
proof of date of purchase. Attach it to the owner's manual
Please keep your sales receipt or other document showing the
date you time and money.

BEFORE EXCHANGING THE PRODUCT.

Please check your owner's manual before exchanging the
product. Adjustments of the controls discussed there may
not readily available.

Although there may be a delay if the appropriate product is
service organization will attempt to exchange the product.

MAKE SURE YOU KEEP..

90 days Free Exchange / 91 days One Year Reduced-Cost Exchange

VIDEO CASSETTE RECORDER or PLAYER

Warranty exchange is available in all countries where the
product is officially distributed by Phillips Consumer
Electronics. In countries where Phillips Consumer
Electronics does not distribute the product, the local Phillips
representative copyrighted material or institutional
purposes (including but not limited to rental purposes).
a product that is used for commercial or institutional
purposes, such as six, and eight hour VHS recorders.
that have not been tested and labeled for use in two,
damage caused by the use of non-VHS tapes or tapes
or not copyrighted).

limited to, pre-recorded material, whether copyrighted
exclusion may not apply to you. This includes, but is not
incidental or consequential damages, so the above
product. (Some states do not allow the exclusion of
incidental or consequential damages resulting from the
agreed by these modifications.

approved and/or authorized, or repair of products dam-
aged it to operate in any country other than the
country for which it was designed, manufactured,
enable it to operate in any country other than the
a product that requires modification or adaptation to
or antenna systems outside the product.

reception problems caused by signal conditions or cable
within the control of Phillips Consumer Electronics.

use, accident, unauthorized repair or other cause not
product repair and/or part replacement because of mis-
product.

installations or repair of antenna systems outside of the
adjustment of customer controls on the product, and
labor charges for installation or setup of the product.

Your warranty does not cover:
Your warranty ends one year after the date of purchase.

original product expires, the warranty on all replaced prod-
uct period of the original product. When the warranty on the
The replacement product is covered only for the warranty
exchange ends one year after the date of purchase.

\$295 for a new or renewed product. This reduced-cost
For an exchange during this warranty period you must pay
follow the exchange procedures set out on the next page.
From 91 days to one year from the date of purchase, you must
to you.

chased or through Phillips. This exchange is made at no cost
For 90 days thereafter, you may exchange the defective prod-
uct for a new product at the store from which it was pur-
chased or coverage begins the day you buy your product.

Warranty coverage begins the day you buy your product.
the date that you purchased the product is considered such
You must have proof of the date of purchase to exchange
your product. A sales receipt or other document showing
You must have proof of the date of purchase to exchange
your product.

WHAT IS COVERED?

Proof.

WHO IS COVERED?

90 days Free Exchange / 91 days One Year Reduced-Cost Exchange

- Remember, the return box should include the following:
- Completed Exchange Form and sales receipt.
 - Payment, if applicable.
 - The product.
 - Accessories supplied with the product, and

Detailed reason for return, use additional paper if necessary:

Signature: _____

Mastercard	Nova/Discovr	Visa	American Express
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Account number Expiration date

Payment Amount: _____
Method of Payment: (Check one. Please, no cash or CODs.)
Check or money order

Street Address: _____
Name: _____
Your Address (street address to which replacement should be delivered, no P.O. boxes allowed): _____
City: _____ **State:** _____ **Zip Code:** _____
Apt. #: _____

A replacement will be sent to you via United Parcel Service (UPS) within 48 business hours of Phillips' receipt of the product.
El Paso, Texas 79927

Suite A, 12375 Pine Springs Drive
El Paso Recovery Center
Phillips Consumer Electronics

4. Seal the box with packing tape and return the product, insured and freight prepaid, to:
in the box with the product.

Do not staple or clip these items together. Label the envelope "Return Documents Enclosed." Place this envelope with the completed Exchange Form, a copy of the original sales receipt, and the proper payment in an envelope.

3. Put the completed product in the original box or a suitable alternative. You will receive replacement accessories with your replacement product. For packing details, call 1-800-531-0039.

2. Pack the product and its accessories (remote control, coaxial cable, owner's manual, and car battery cord, if applicable), in the original box or a suitable alternative. You will receive replacement accessories with your replacement product. In the box with the product.

1. Complete the Exchange Form below.

To obtain a replacement product from Phillips:

If you do not have your original sales receipt, or if you have any questions, call Phillips Service Solutions Group at 1-800-531-0039.

After 12 months from the day of original purchase, contact Phillips Service Solutions Group at 1-800-531-0039 for information regarding out-of-warranty exchange.

If you exchange the product within 90 days of the original purchase, there is no cost to you.

If you exchange the product more than 90 days after but less than one year after the day of original purchase, your cost will be \$29.95.

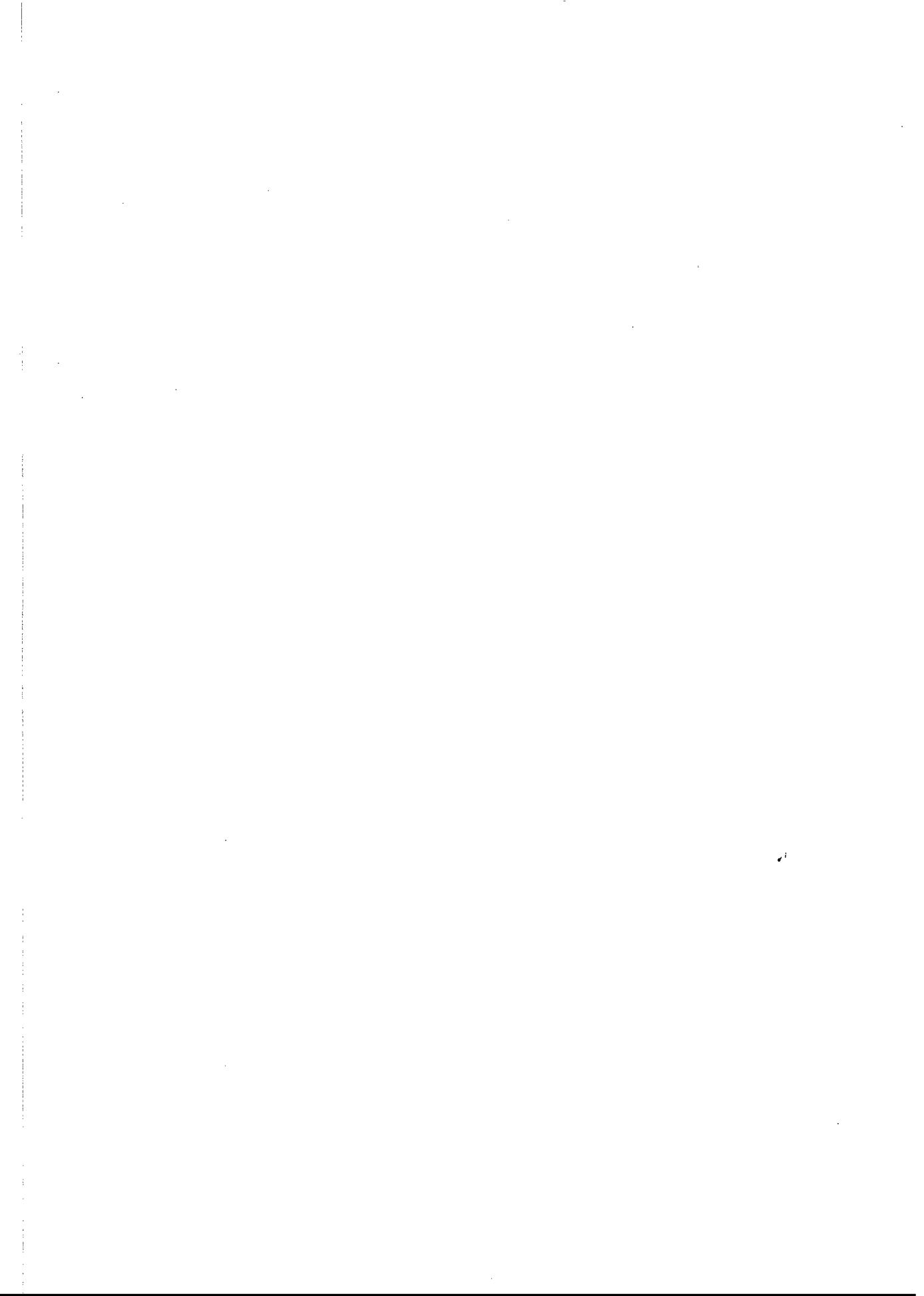
To exchange your product with Phillips (per the warranty conditions stated previously), remember:

If your product is defective, you may be able to exchange it at the store which it was purchased. Most stores display a Return Policy. If not, ask the manager or sales associate how many days you have to exchange the product with them. After the store's return period has expired, you may exchange the product with Phillips if you have your original sales receipt.

If your product is defective, you may be able to exchange it at the store which it was purchased. Most stores display a Return Policy. If not, ask the manager or sales associate how many days you have to exchange the product with them. After the store's return period has expired, you may exchange the product with Phillips if you have your original sales receipt.

EXCHANGE INSTRUCTIONS

ac power cord.....	28	line input mode.....	12, 37, 54	sdpb.....	35, 54	standard play.....	35, 54	status display.....	35, 54	ip.....	24	aloch button.....	24	antenna) in jack.....	6-10, 28	audio in/out jacks.....	10, 27,	automatic playback.....	28, 37, 47, 54	batteries.....	50	blue background.....	50	cassette compartment.....	26	ch3/ch4 switch.....	6-9, 28	channel deleting.....	13	adding.....	13	selection.....	14	reviewing.....	14	setup.....	11-14	▲ buttons.....	27, 46	child lock.....	51	clear display.....	26	clock display.....	15-19	connections.....	6-10	contents, table of.....	4	controls.....	23-24	remote control.....	38-41	with the vcr plus+.....	33-36	timer.....	5	presentation.....	31	watching another.....	31	one channel/	30	basic.....	26	recording.....	26	rec(ord) light.....	26	rear panel.....	23, 27, 30, 32	light.....	26	searching.....	43	real-time counter.....	43	time.....	26	search button.....	24, 44	time.....	15-19	canceling.....	36	checkboxing.....	36	setting.....	33-35	with vcr plus+ programming system.....	38-41	tv	27	button.....	5, 21, 23-24	controls.....	5, 21, 24	hookups.....	6-10	position.....	24, 27	plus+.....	21-22, 24, 40	glossary.....	54	safety precautions.....	3	searching.....	45	second audio broadcast.....	47-48	recording.....	47-48	video in/out jacks.....	10, 27, 28,	vr/vt button.....	24, 27	position.....	24, 27	video in/out jacks.....	37, 47,	sensor (remote).....	27	shockguard.....	33, 40, 52	volume) ▲/▼ button.....	23	slow.....	45	motion.....	35, 54	speed button.....	35, 54	without stereo tv.....	10	without cable box/dbx.....	8-9	hookups	56	head cleaner.....	3, 53, 56	helpful hints.....	52-53	hi-fi stereo sound system.....	49	language selection.....	11, 20
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VMN02446 / H5875UD, H5975UD * * * * *
Primed in China
188208001

ENERGY STAR® is a U.S. registered mark.
ENERGY STAR® guidelines determine that this product meets the
Company has determined that this product is efficient.

Energy Star

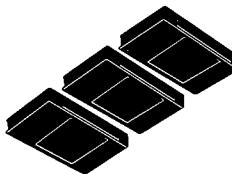
Remember to recycle!
This owner's manual is made of recyclable materials.



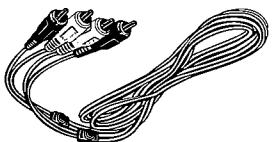
#MHG1206
Six High-grade, VHS, T-120 Cassettes



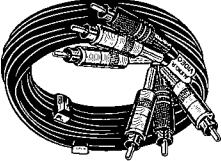
#M61104
Fits VHS and Beta cassettes
Three Cassette Storage Cases (plastic)



#M61103
Monaural Audio and Video Cables (6 feet)
Color-coded for easy connection



#M61105 (color-coded connectors)
Stereo Audio and Video Cables (6 feet)
Color-coded for easy connection



#M61117
VHS Cassette Rewinder



1-800-851-8885.

Jefferson City, TN 37760

P.O. Box 55

401 East Old Andrew Johnson Highway

Philips Parts & Accessories Marketing Department

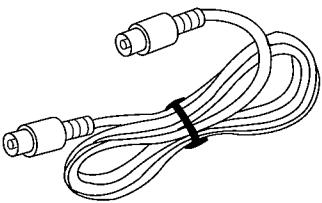
To order these optional accessories, contact us at:

VCR, but they are designed for use with your new VCR.

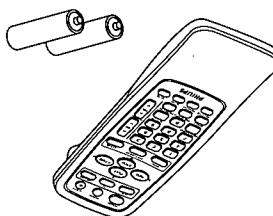
The following additional items are not provided with your

OPTIONAL ACCESSORIES

4835 323 27011
RF Coaxial Cable, 75 ohm



Two AA Batteries 4835 138 17012



The following items are supplied with your VCR; they
are provided to help you use or set up your VCR.

SUPPLIED ACCESSORIES